

FIG. 1

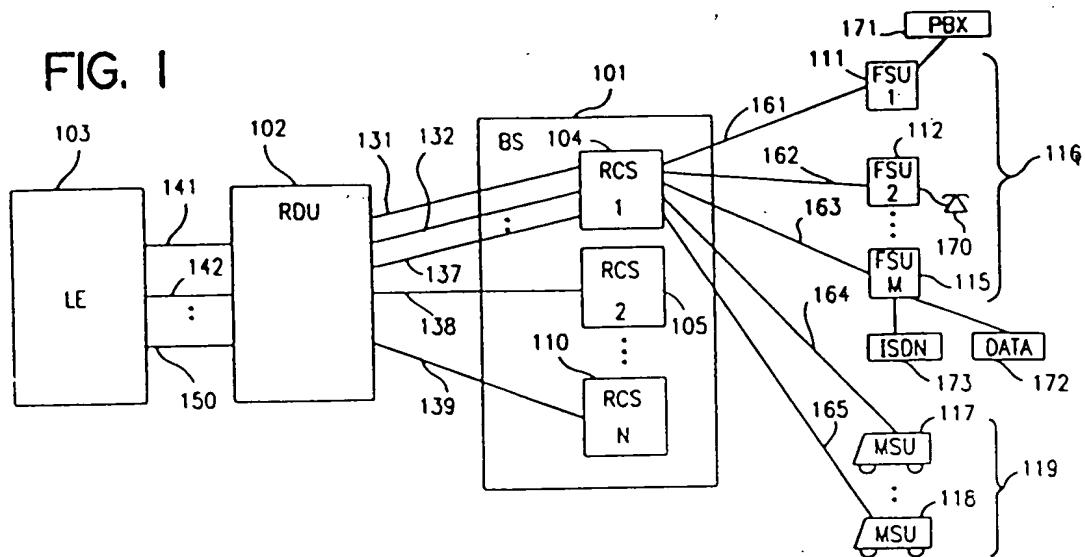


FIG. 2a

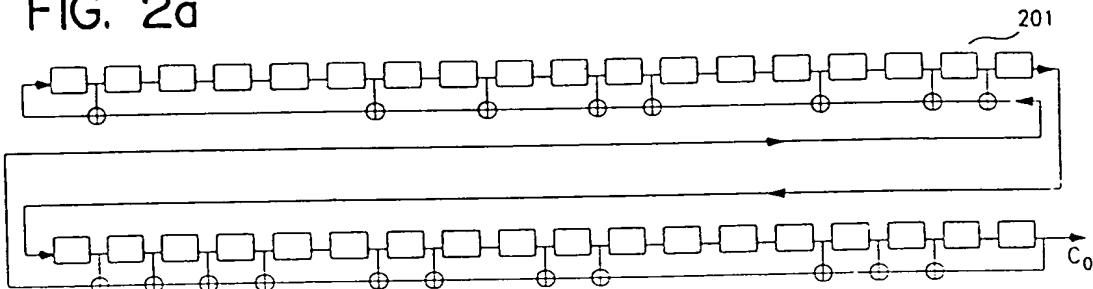


FIG. 2c

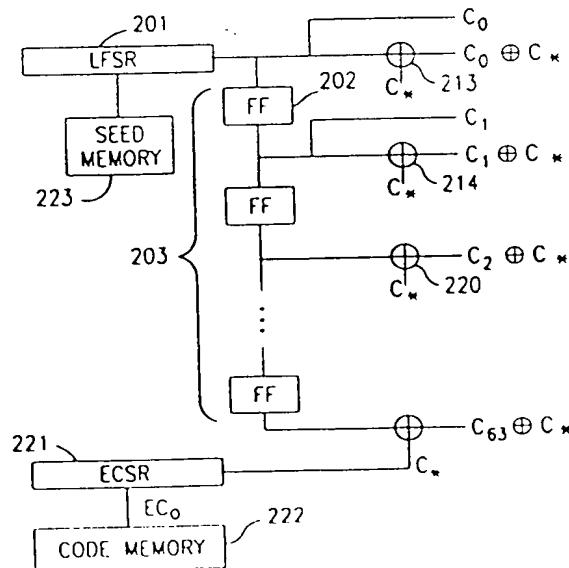


FIG. 2b

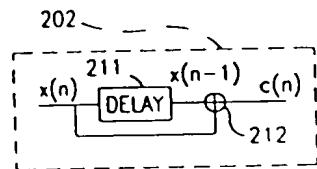
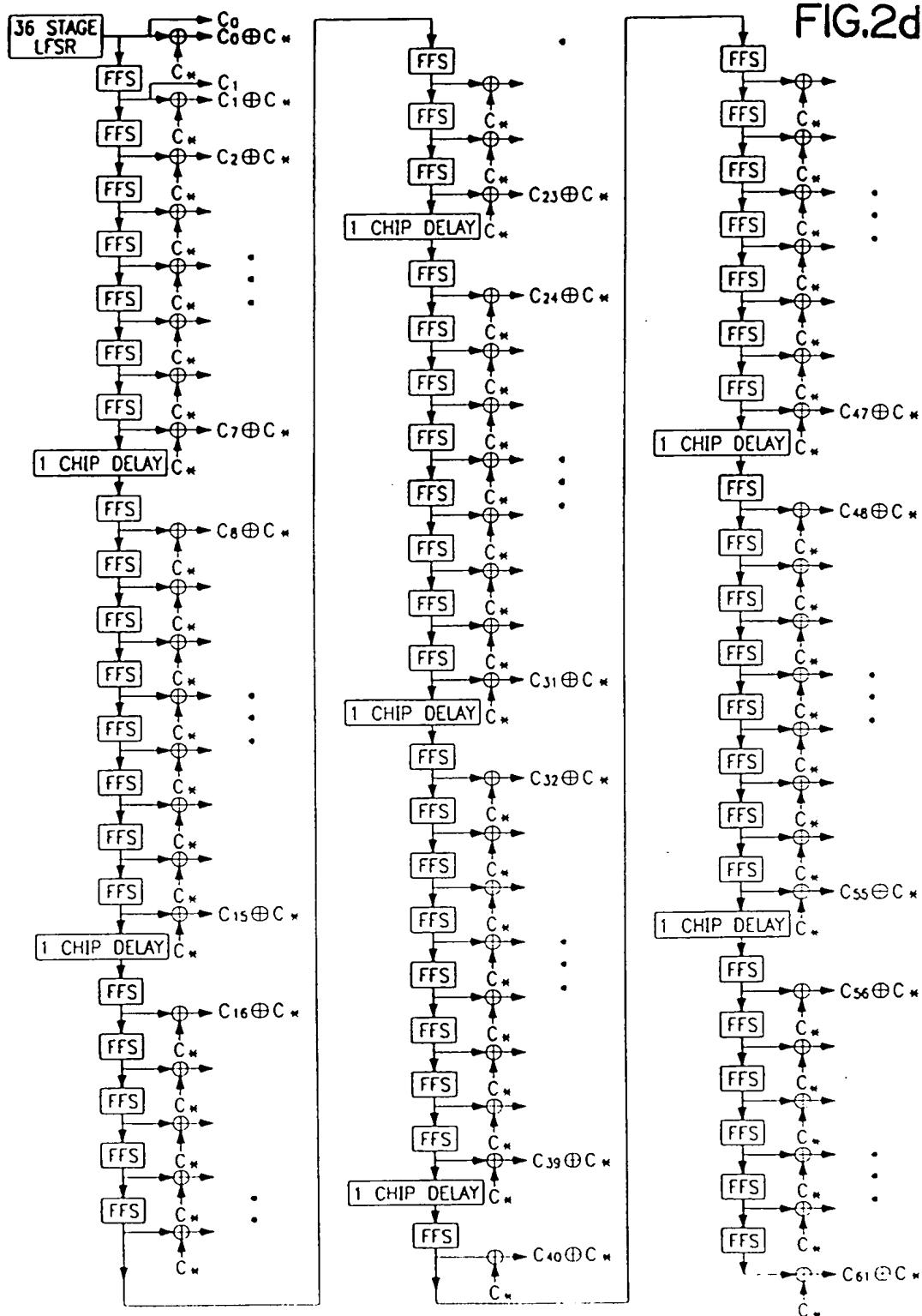


FIG.2d



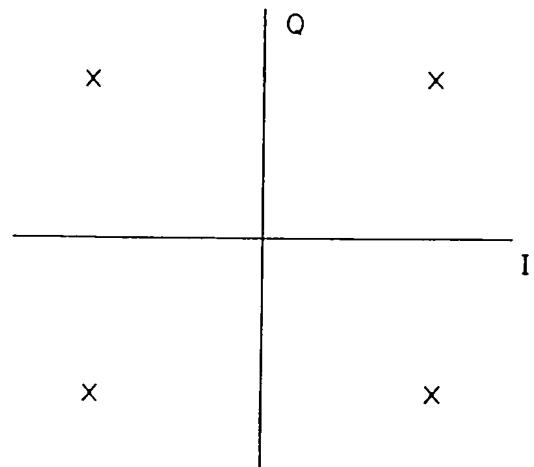


FIG. 3a

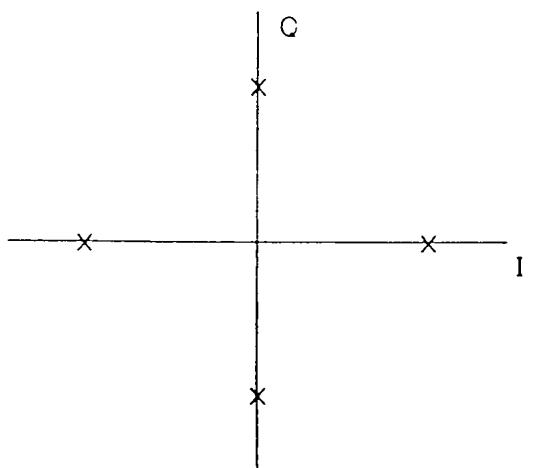


FIG. 3b

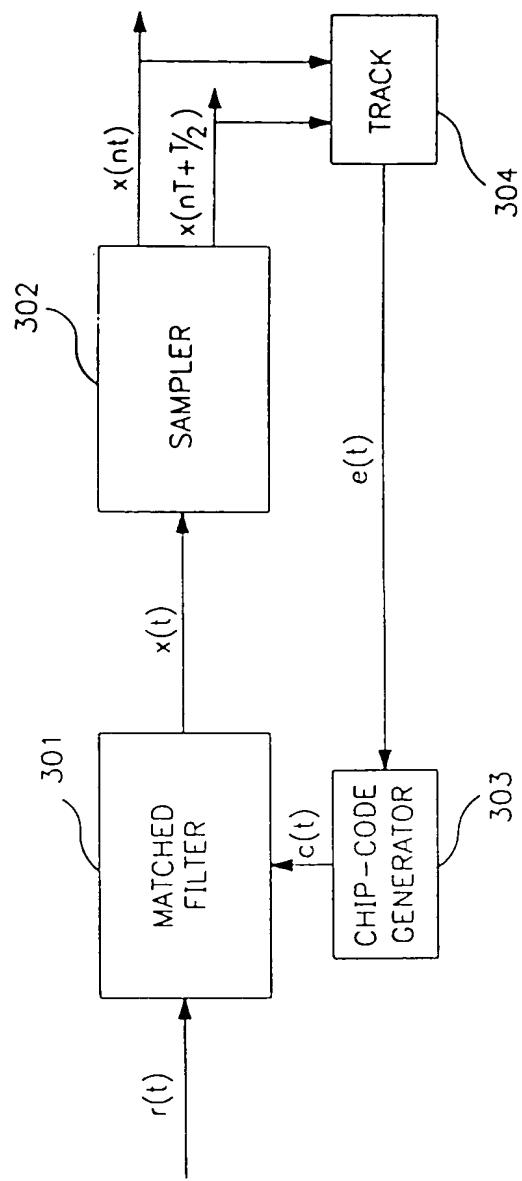


FIG. 3c

FIG. 4

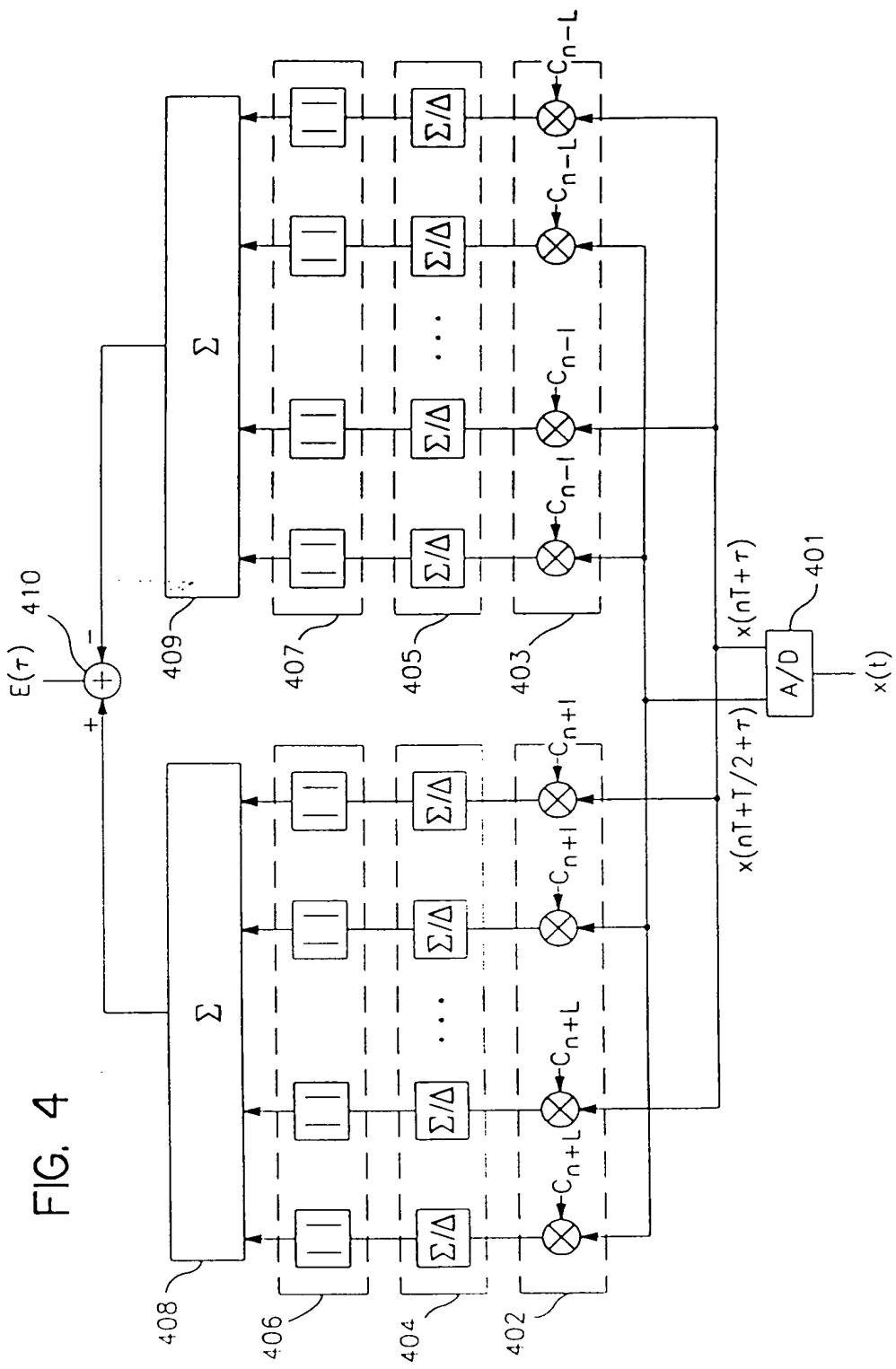


FIG. 5a

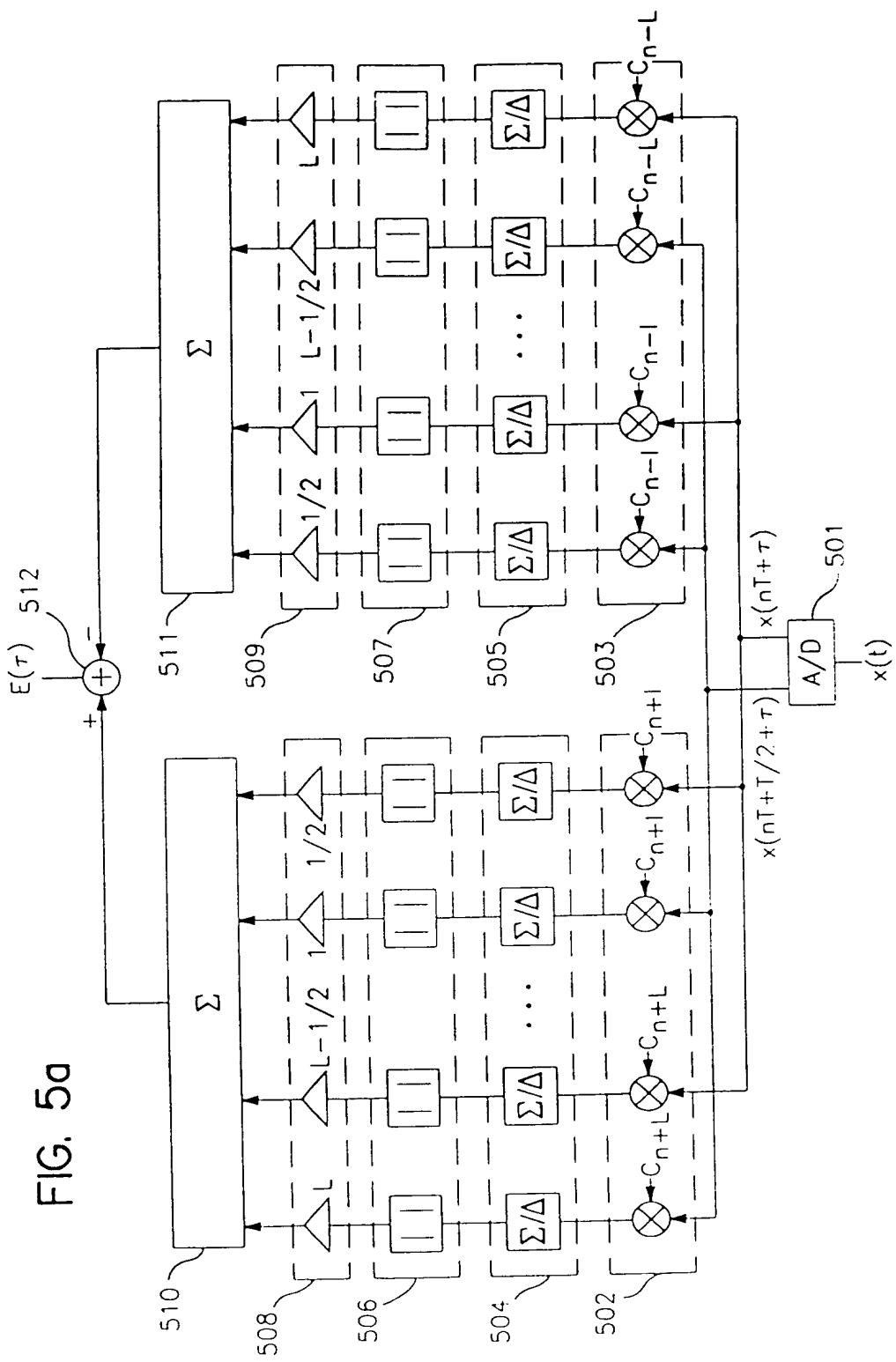
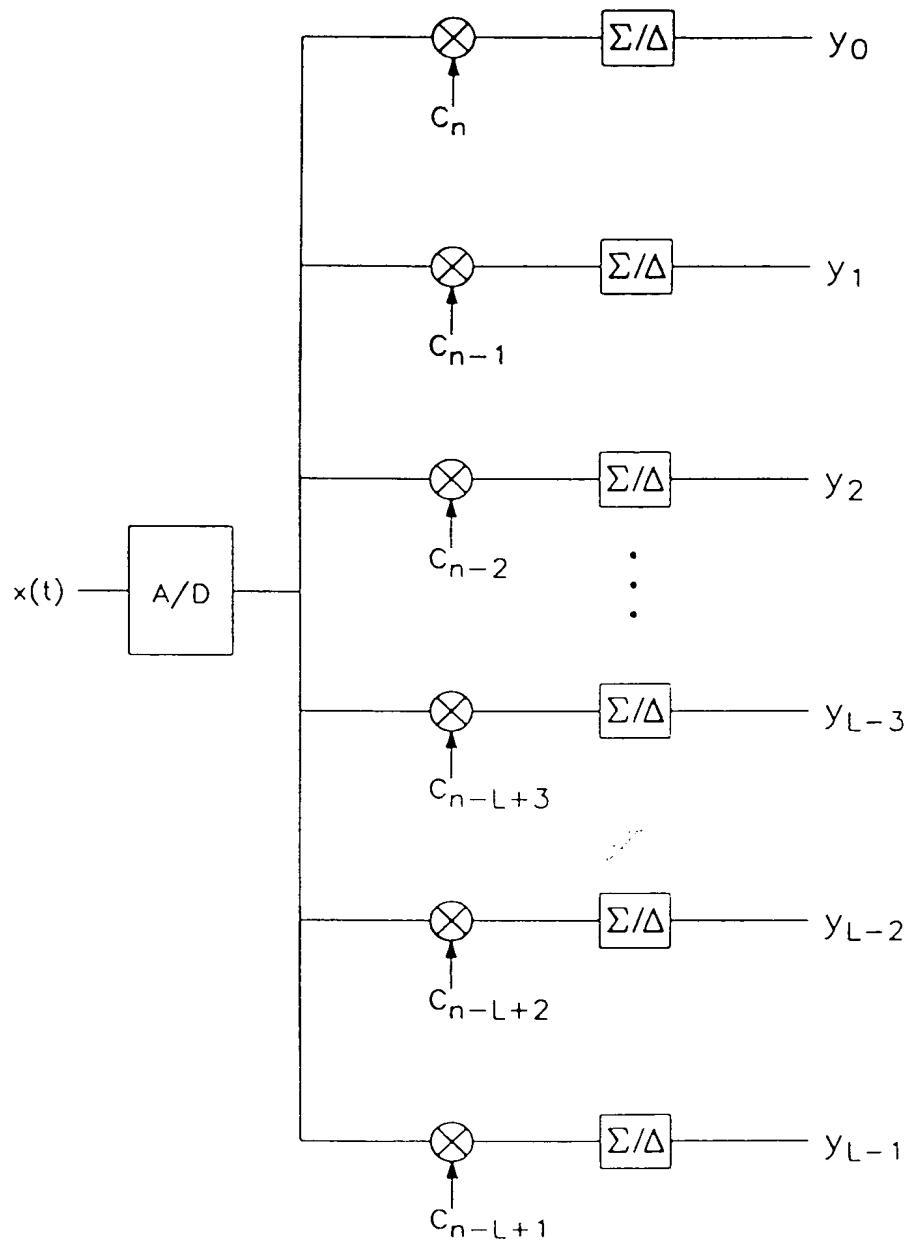


FIG. 5b



V

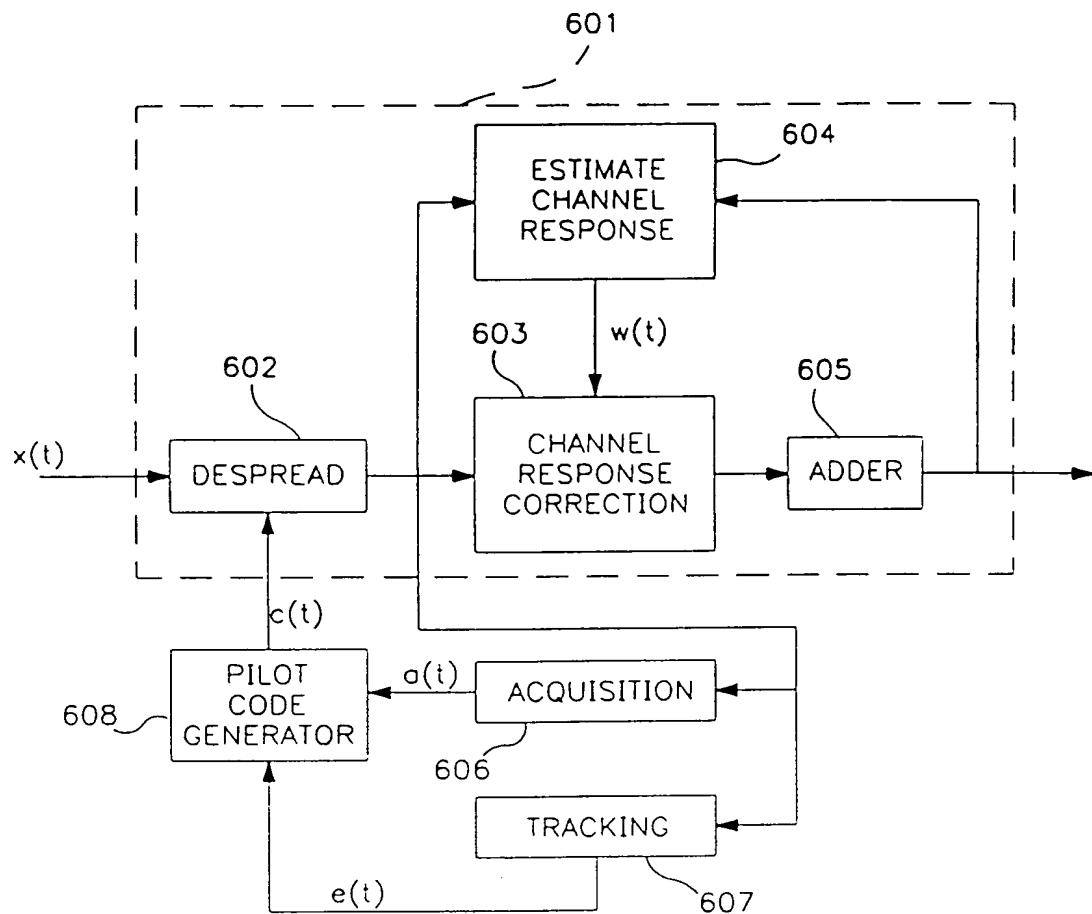
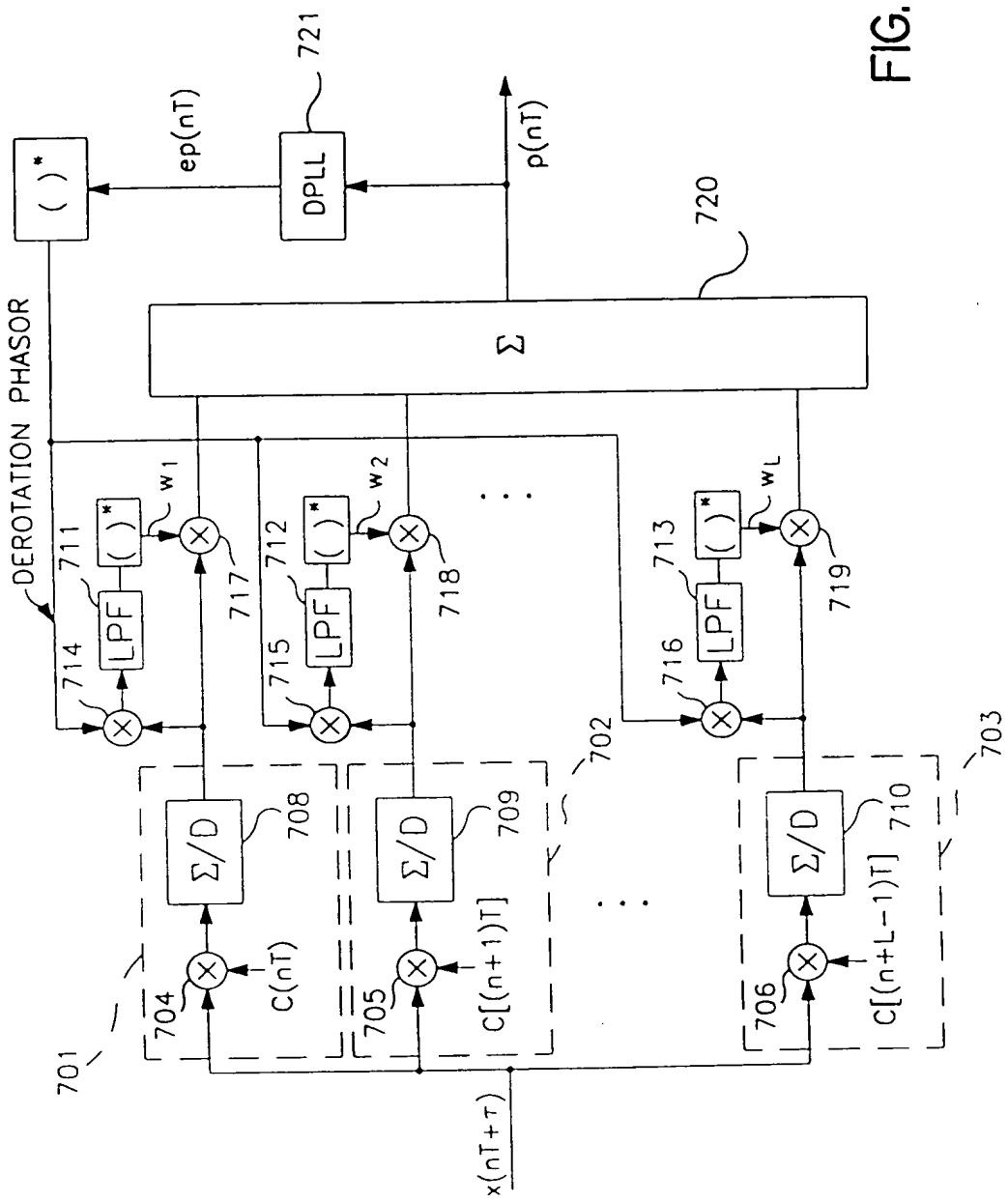


FIG. 6

FIG. 7



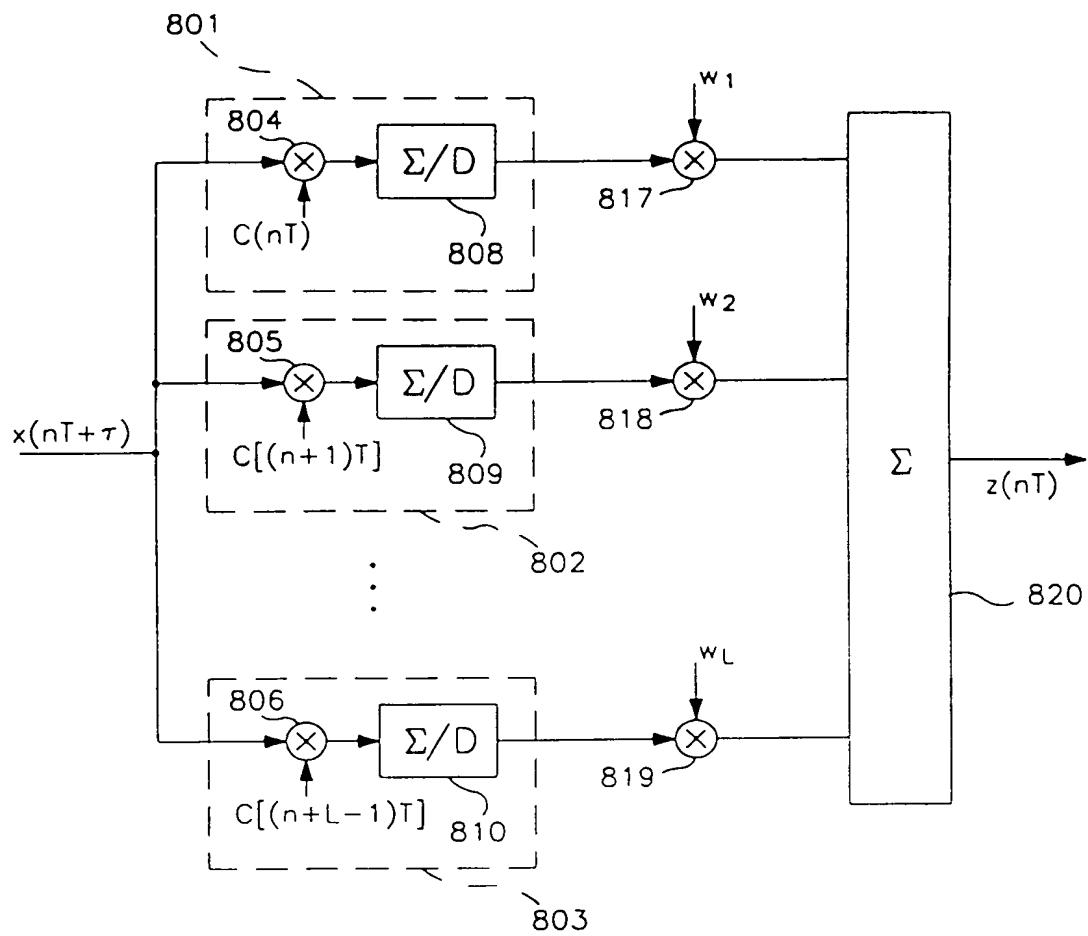


FIG. 8d

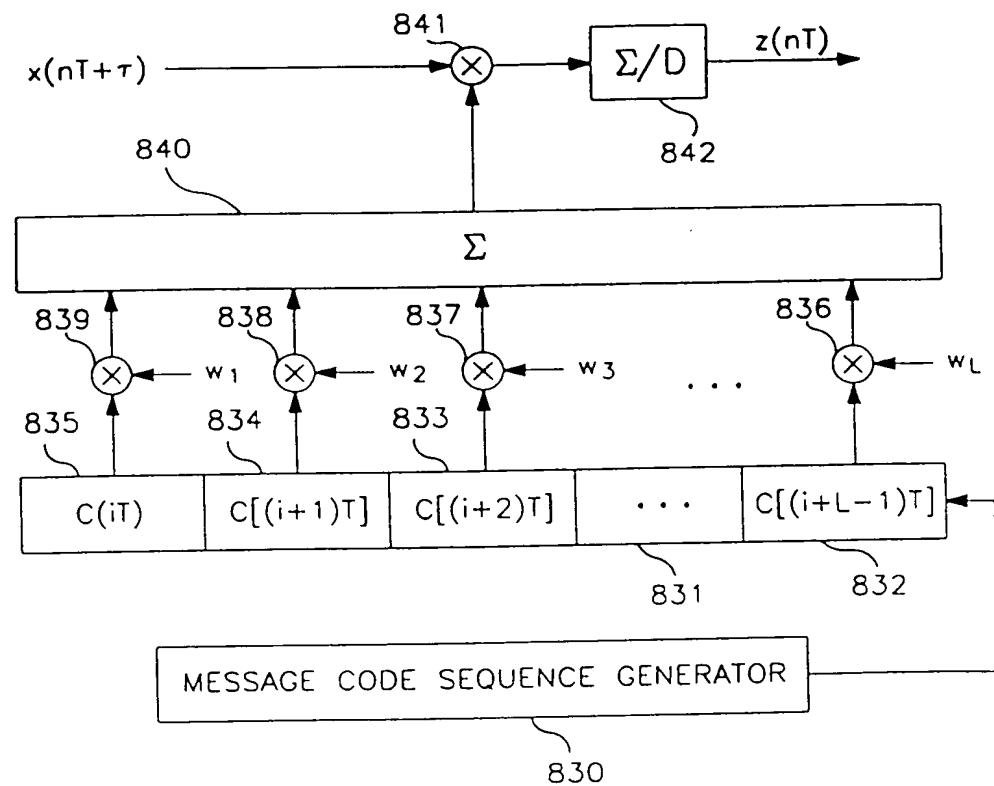


FIG. 8b

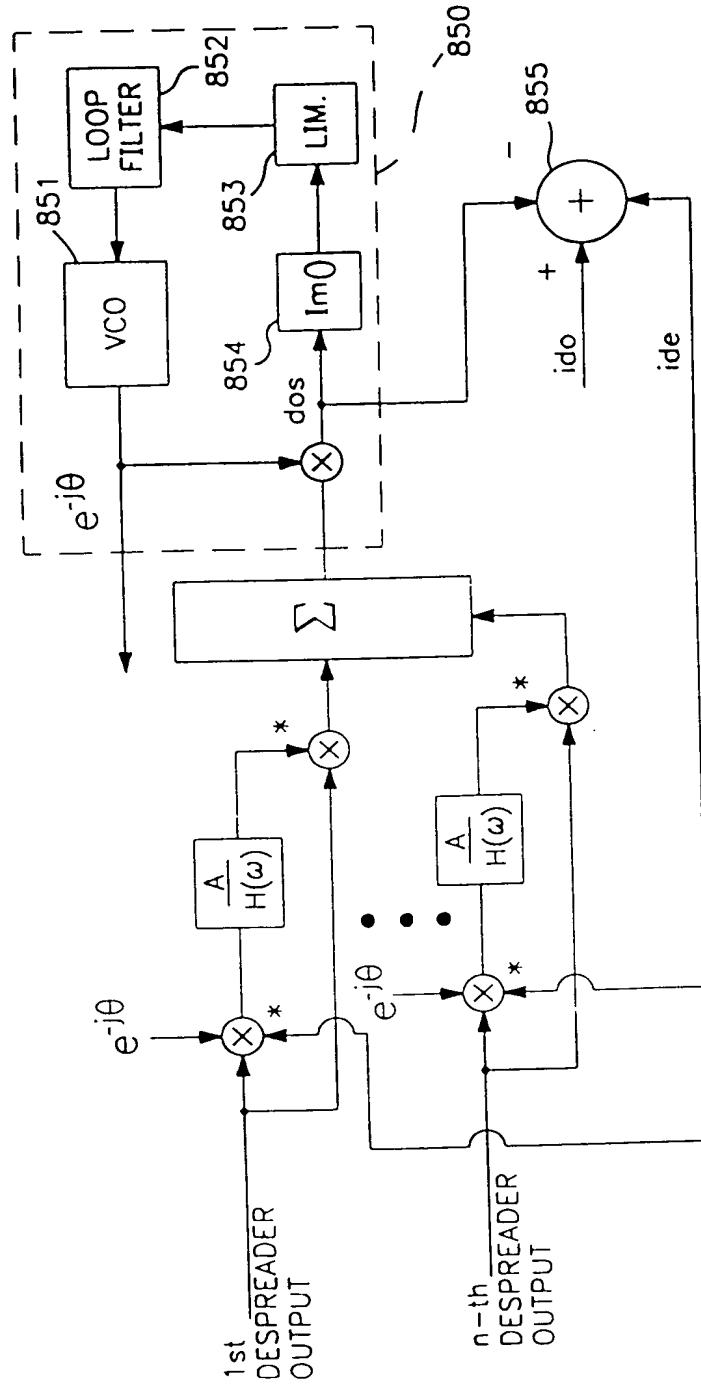


FIG. 8c

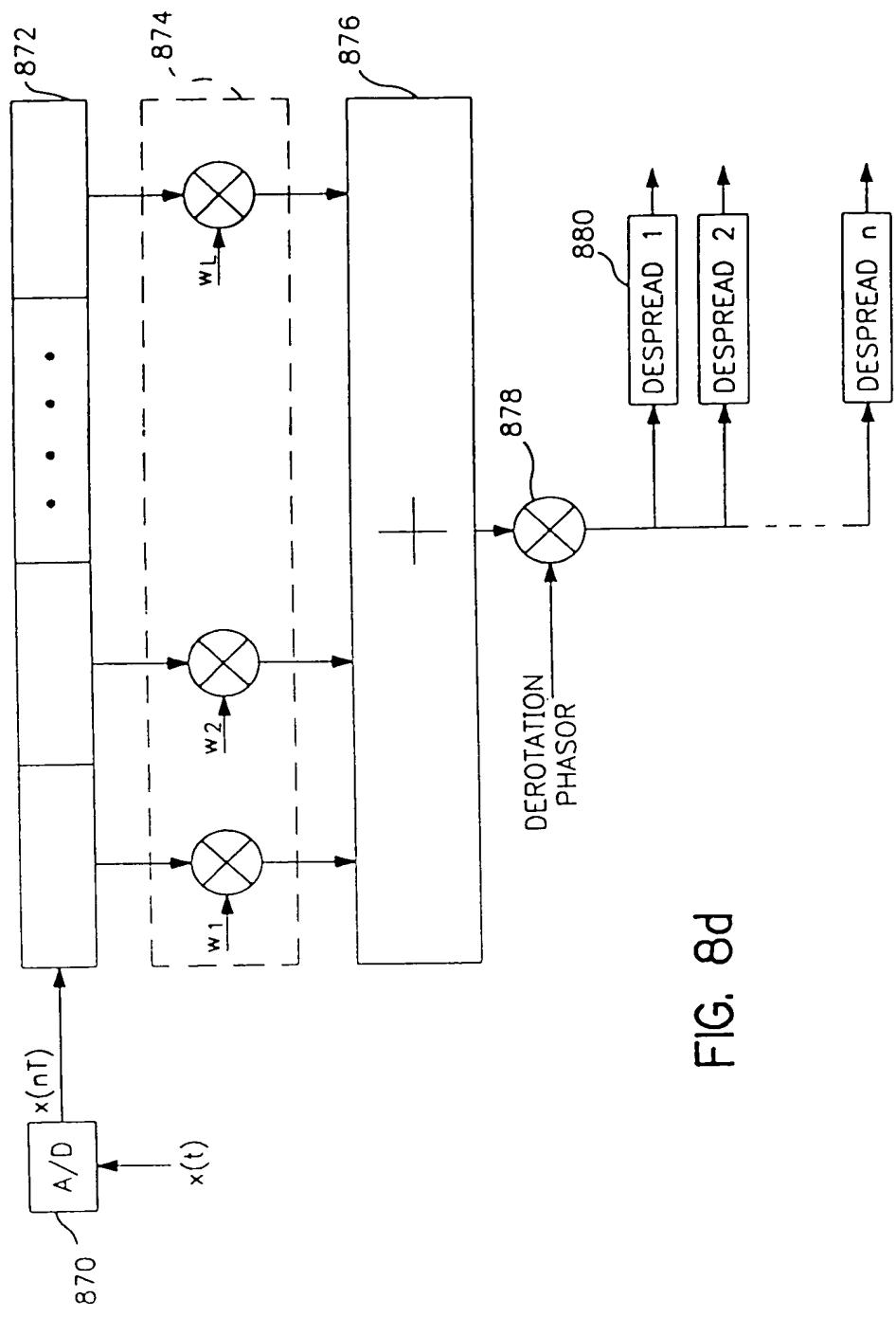
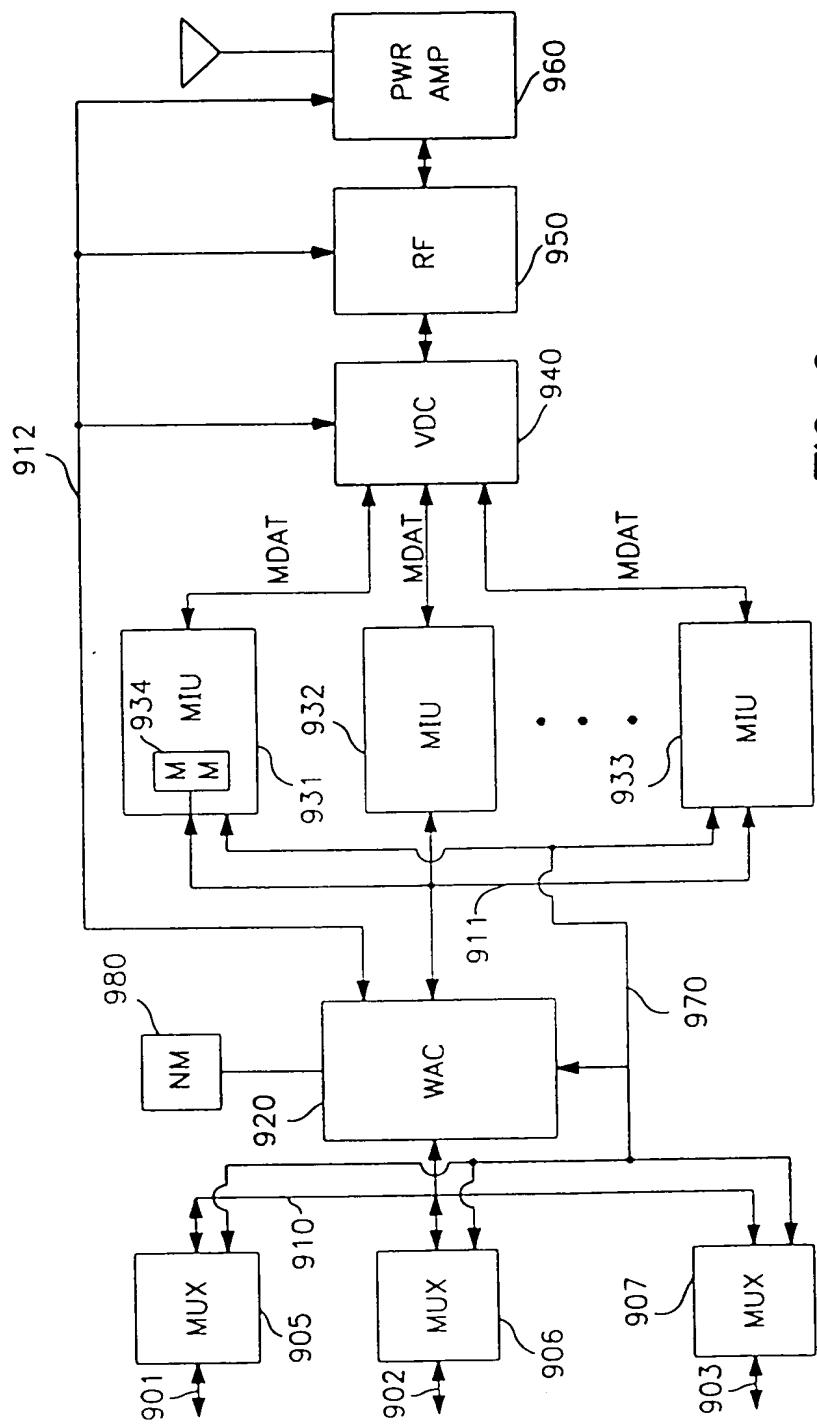


FIG. 8d

FIG. 9



10
FIG.

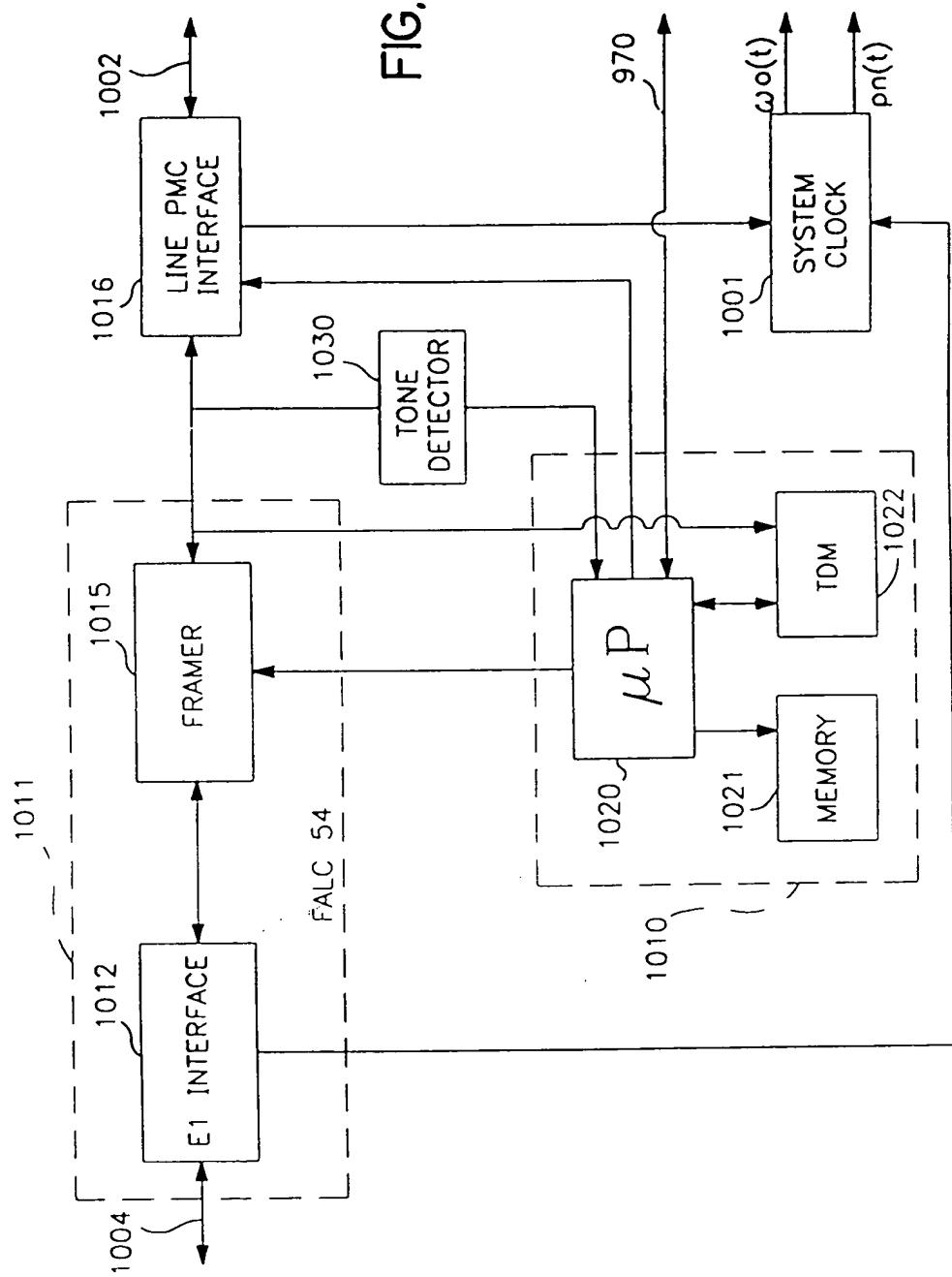
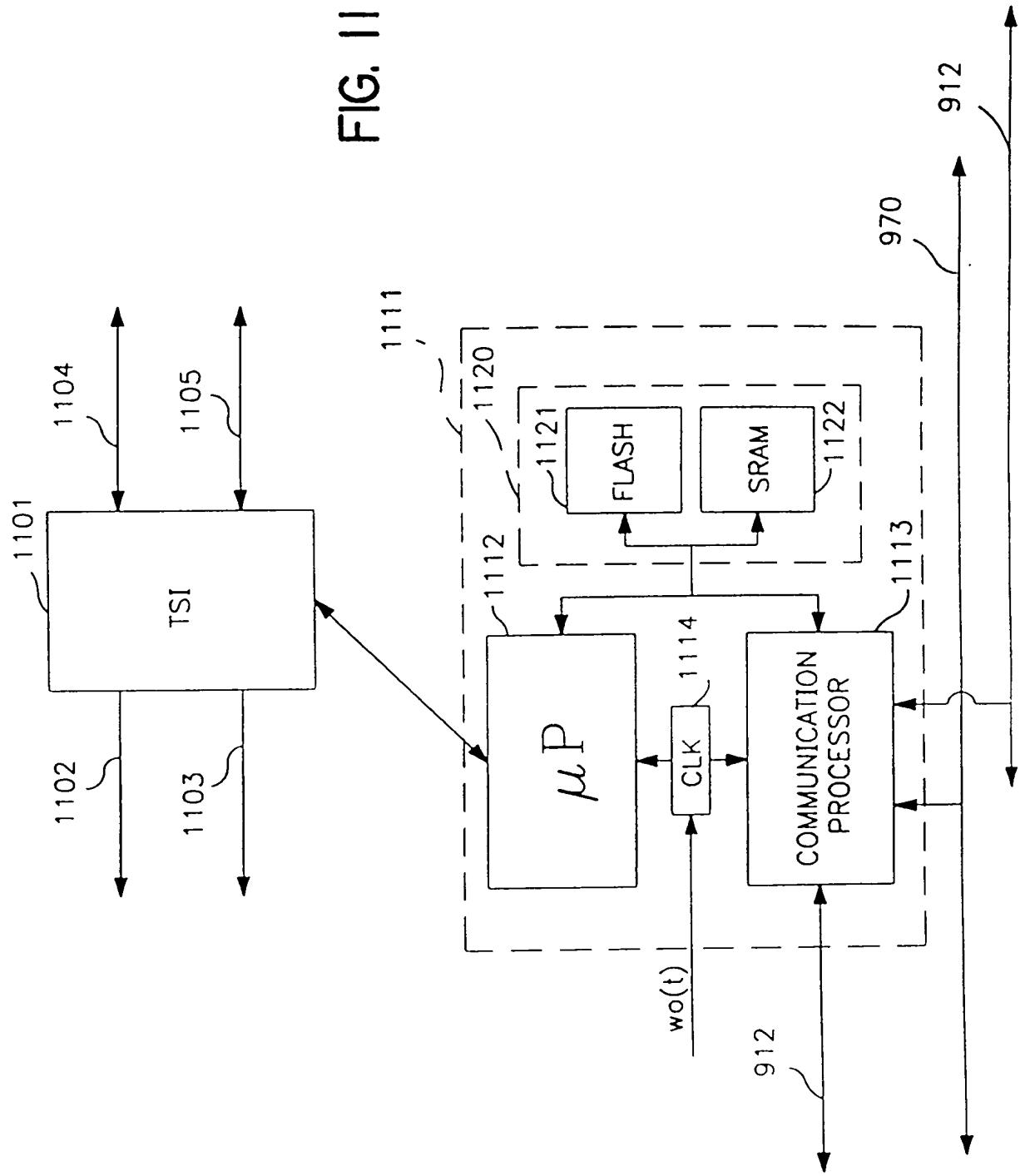


FIG. II



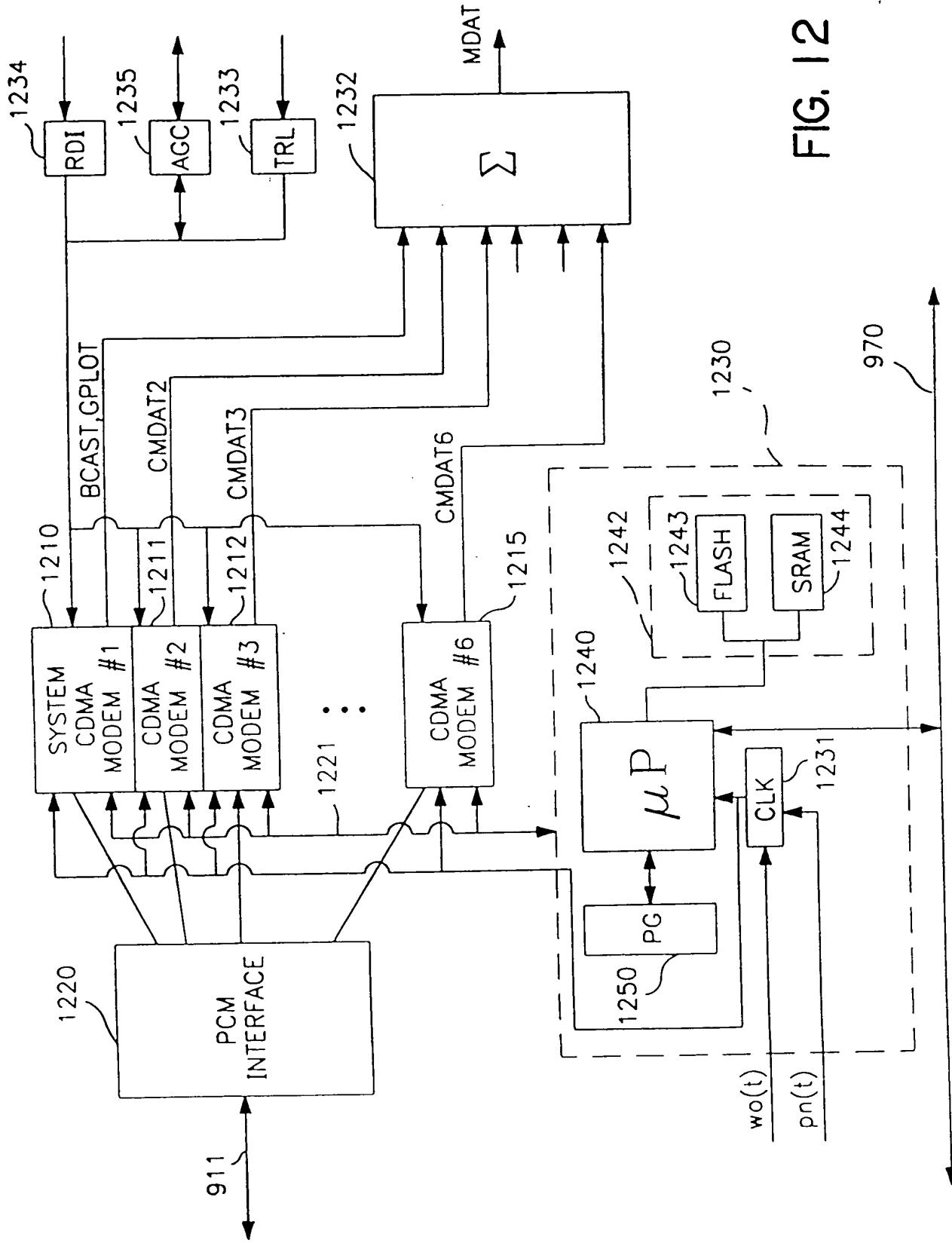


FIG. 12

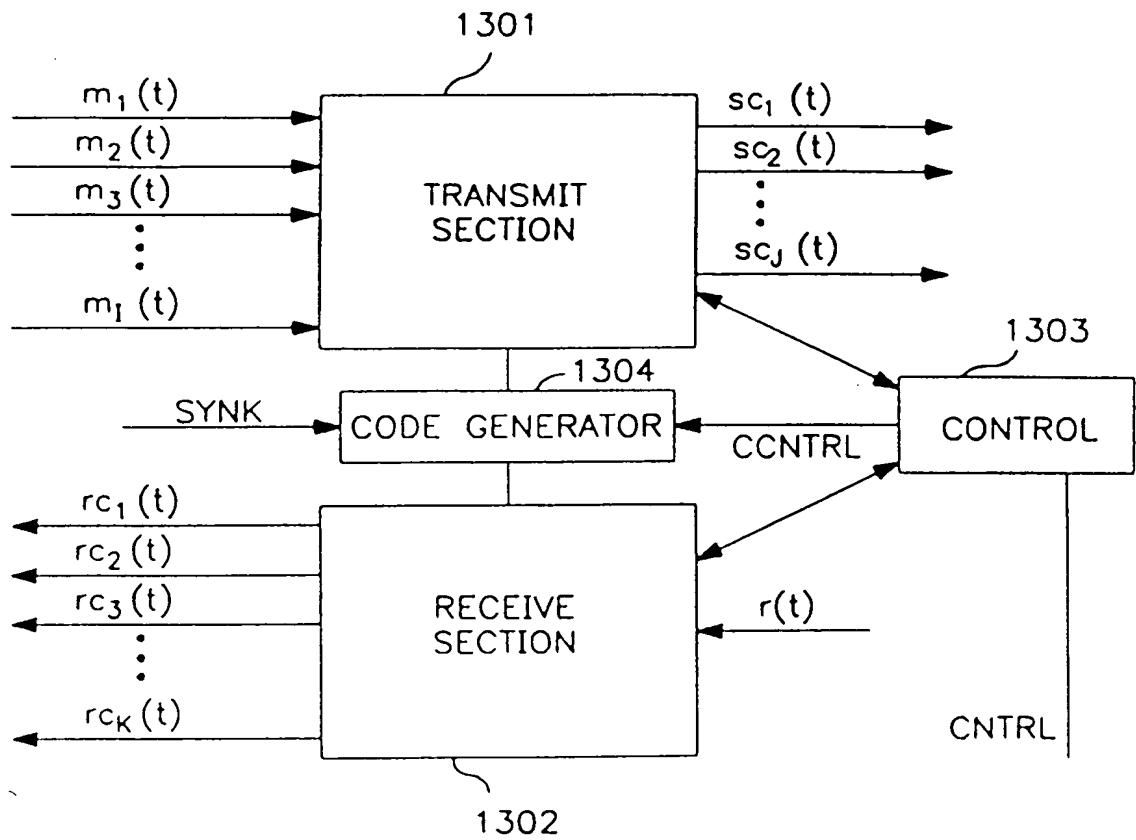


FIG. 13

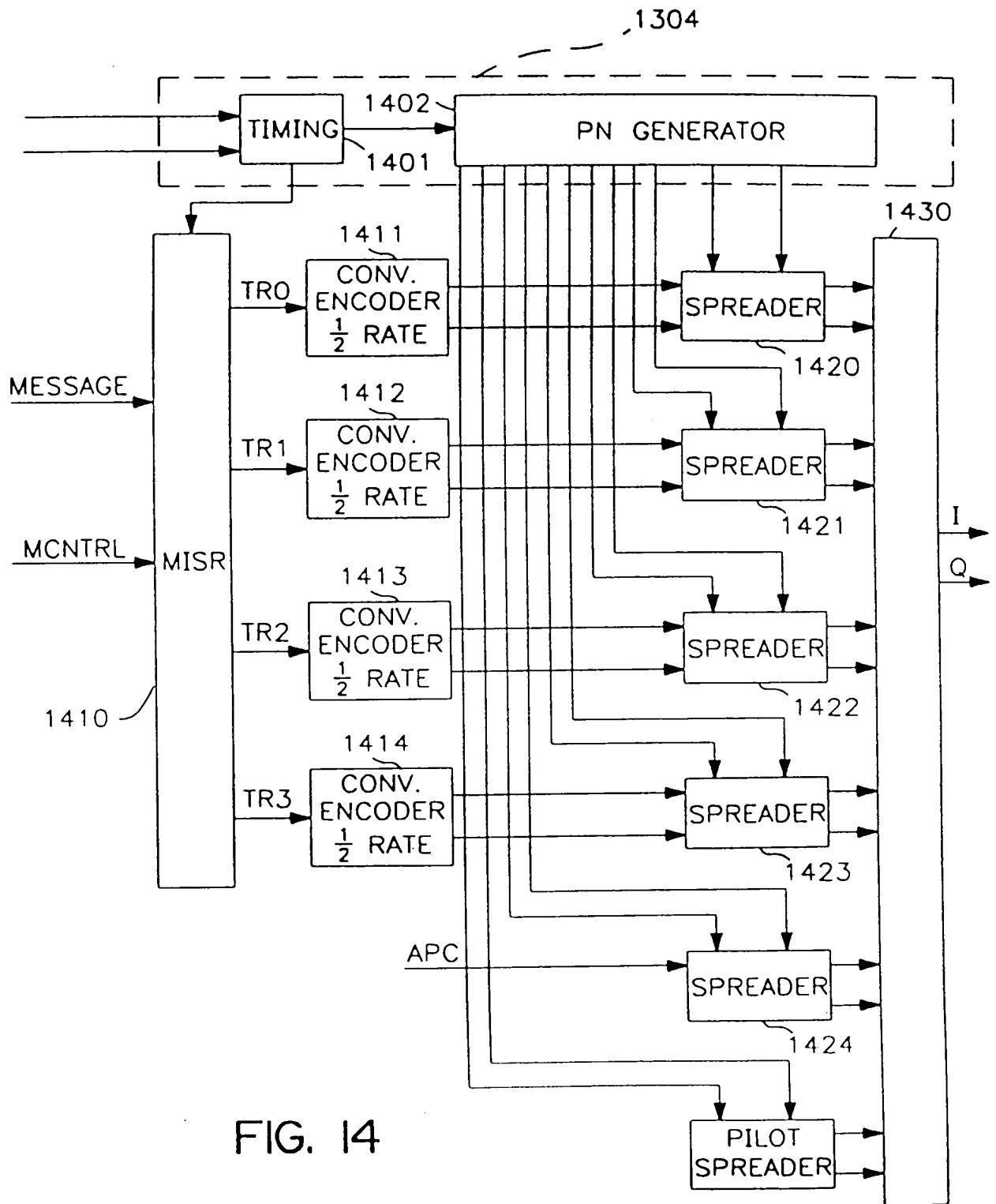
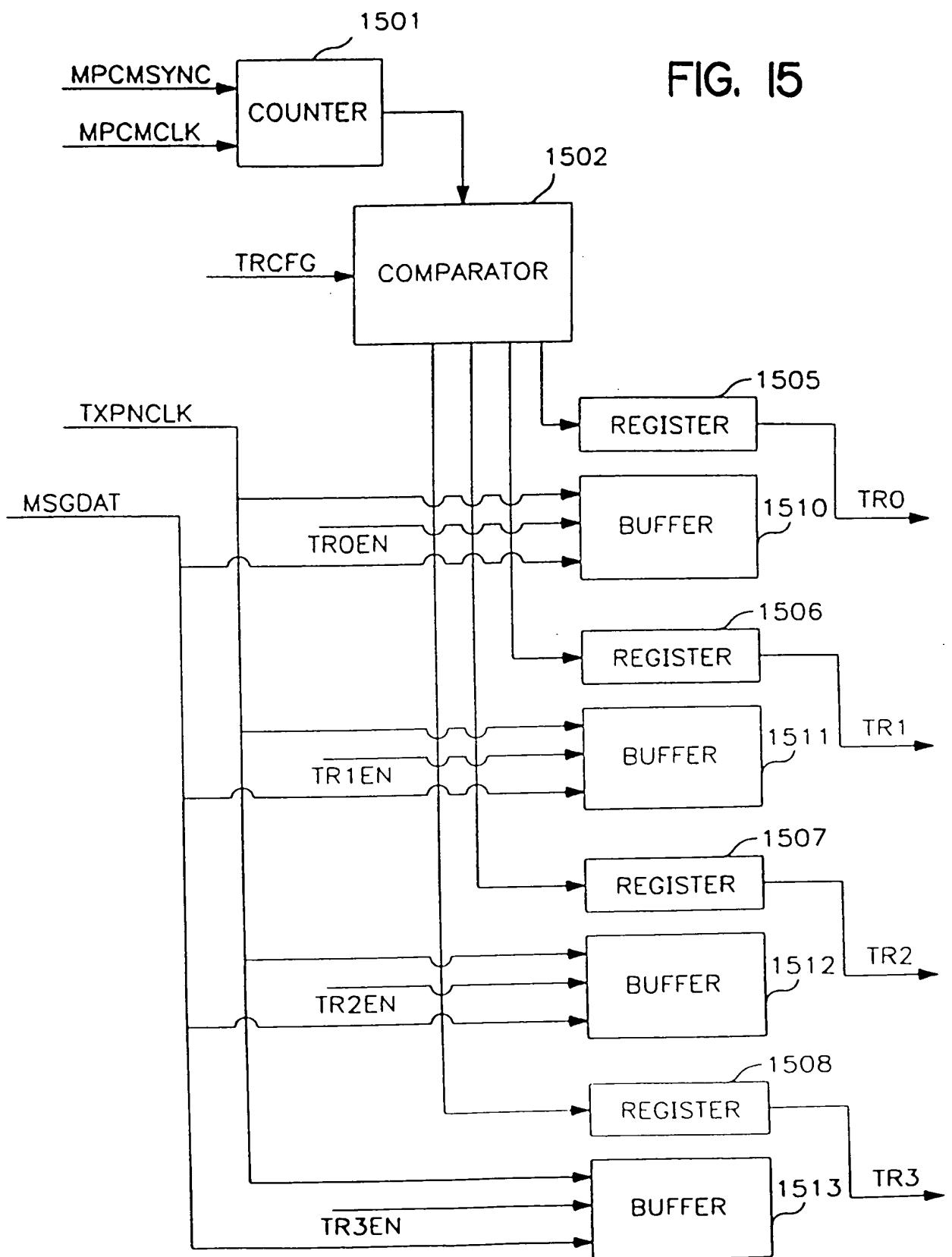


FIG. 14

FIG. 15



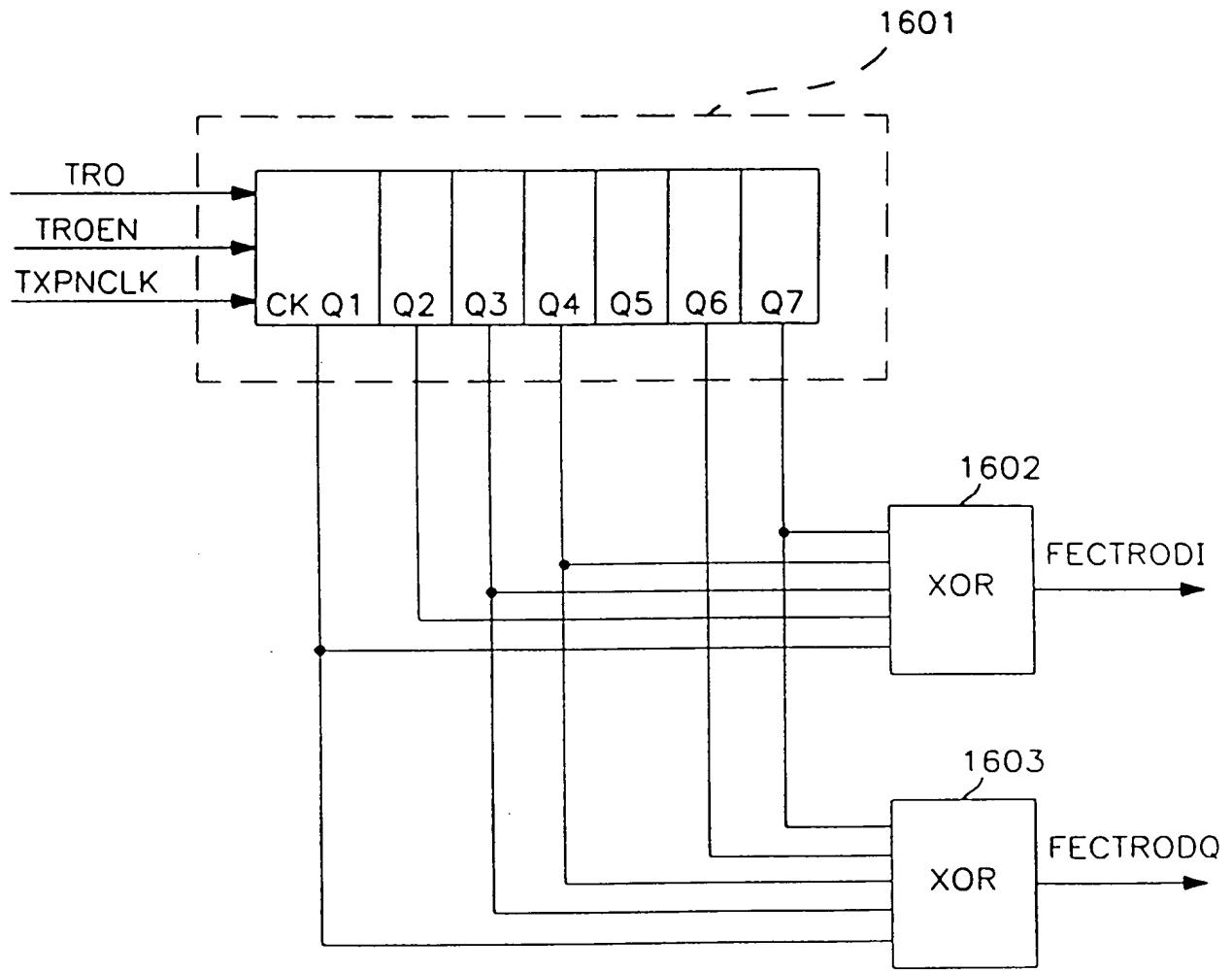


FIG. 16

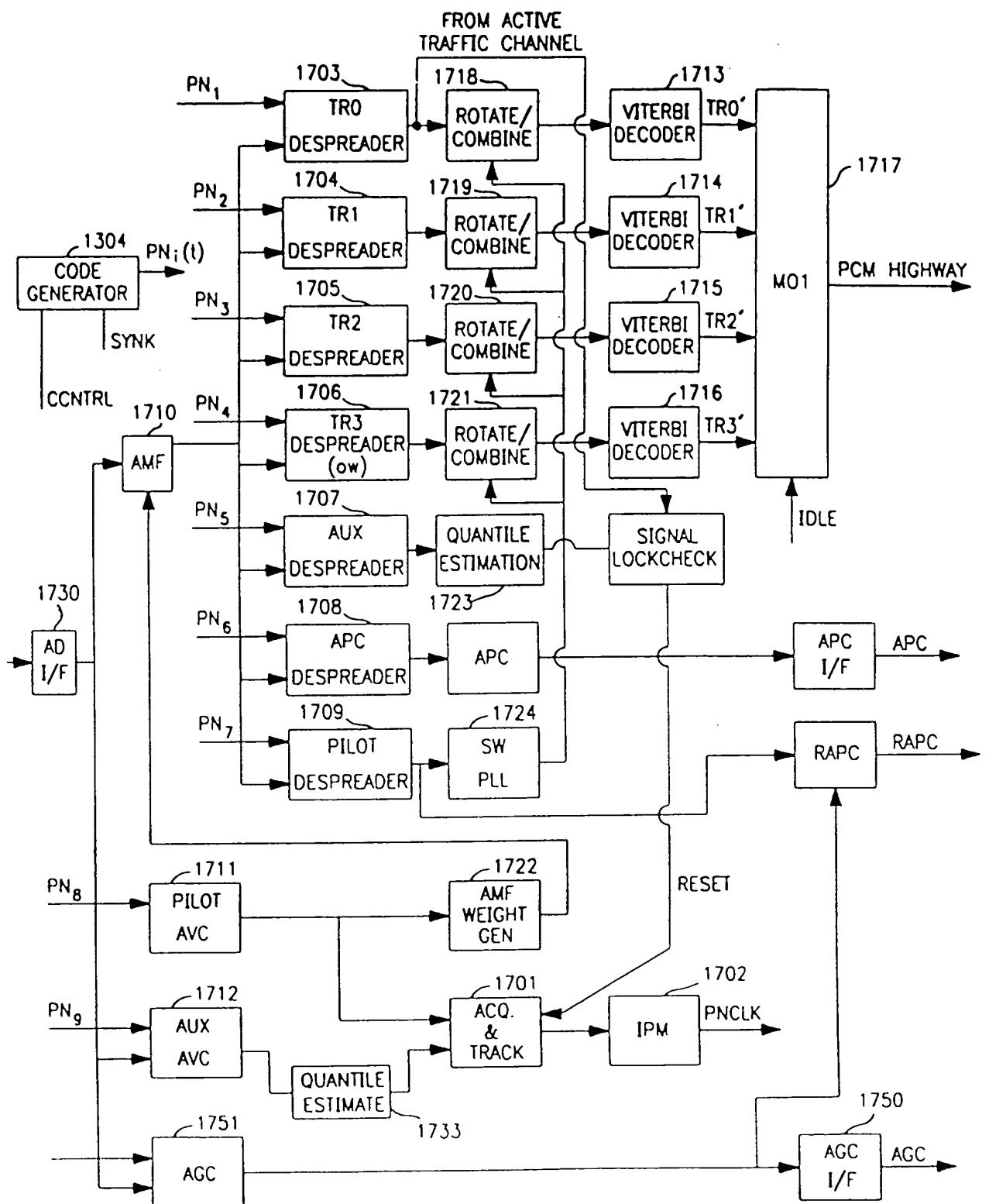
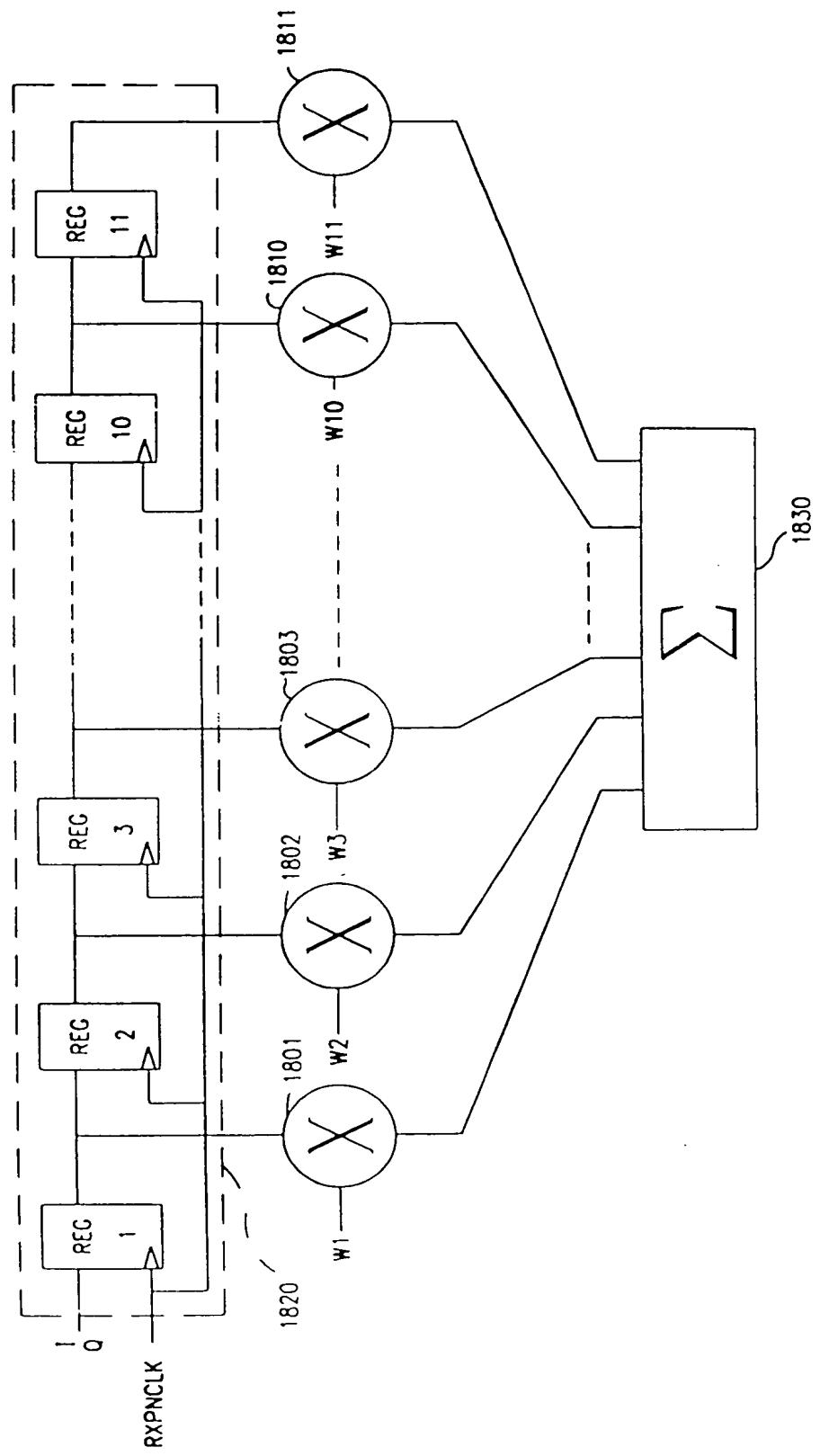


FIG. 17



18
FIG.

FIG. 19

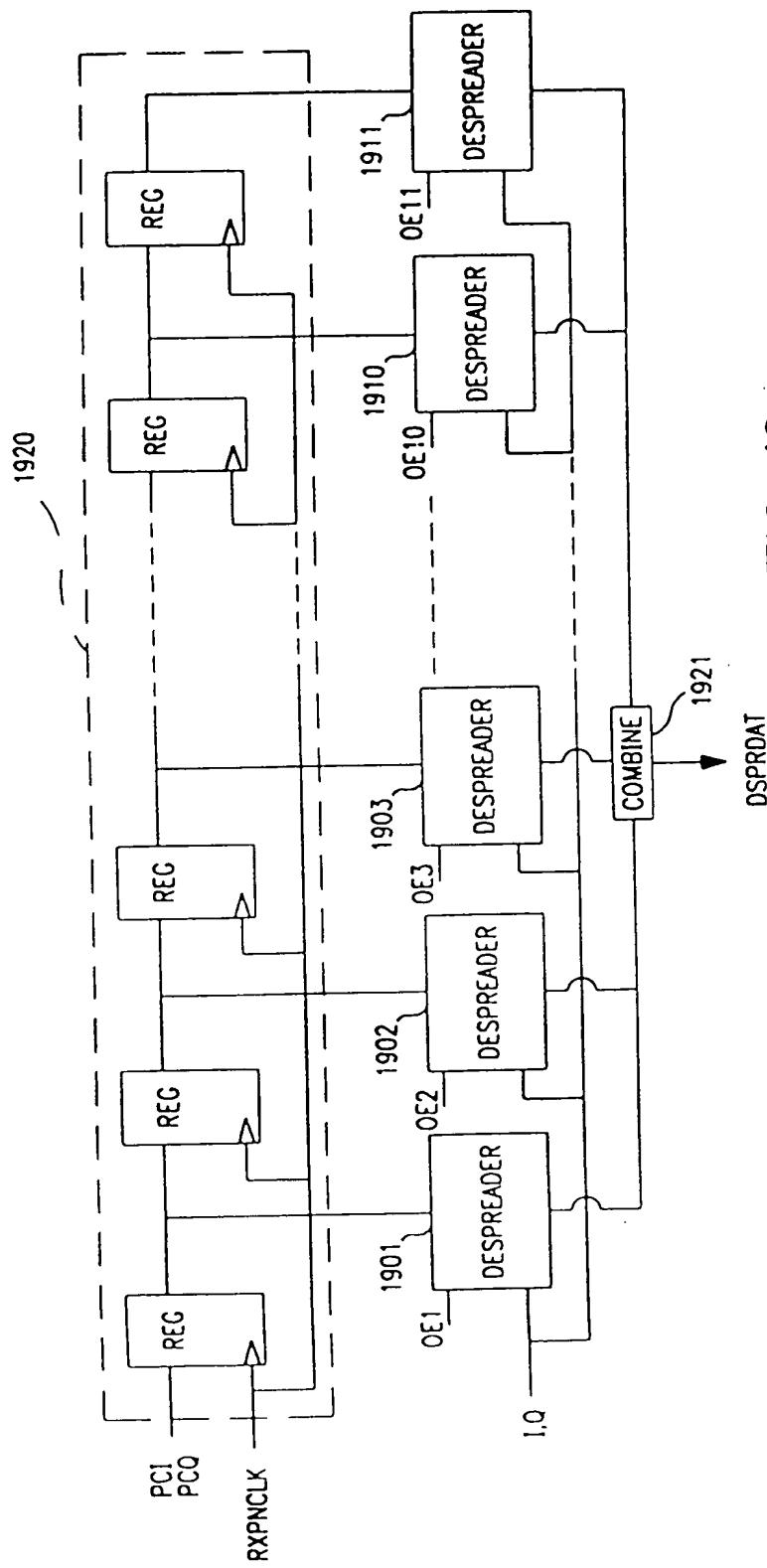


FIG. 20

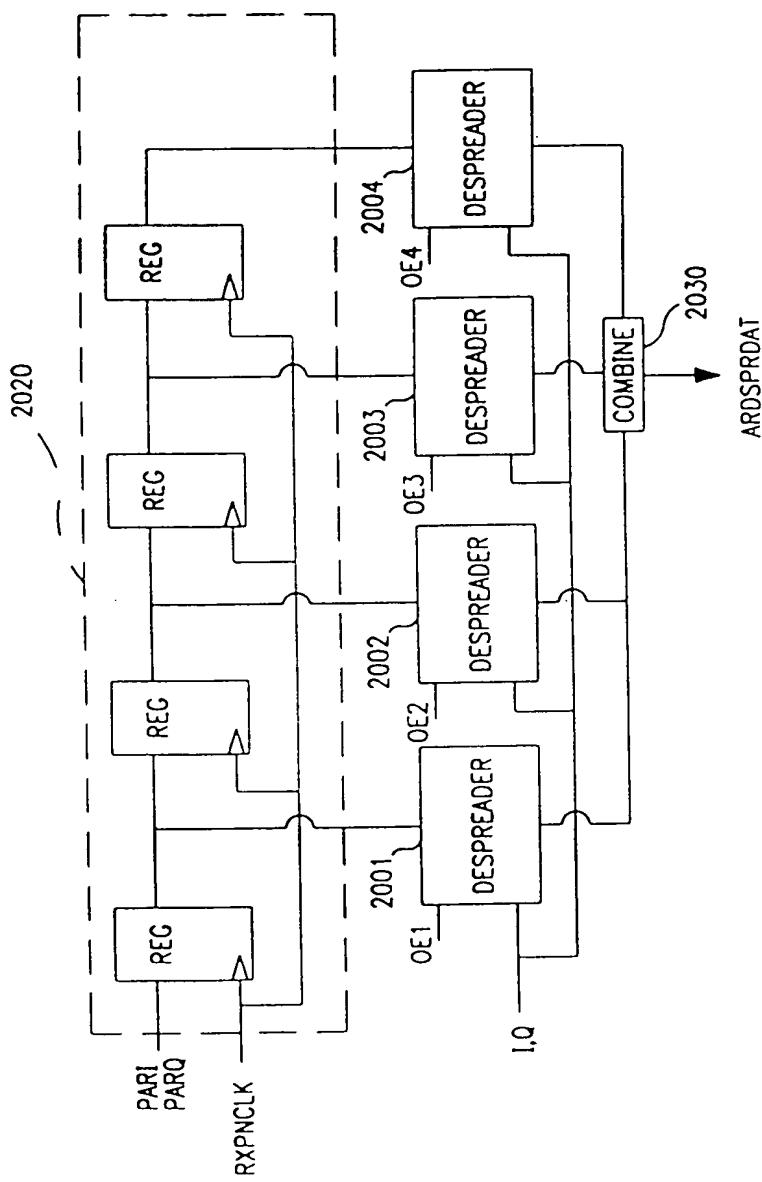
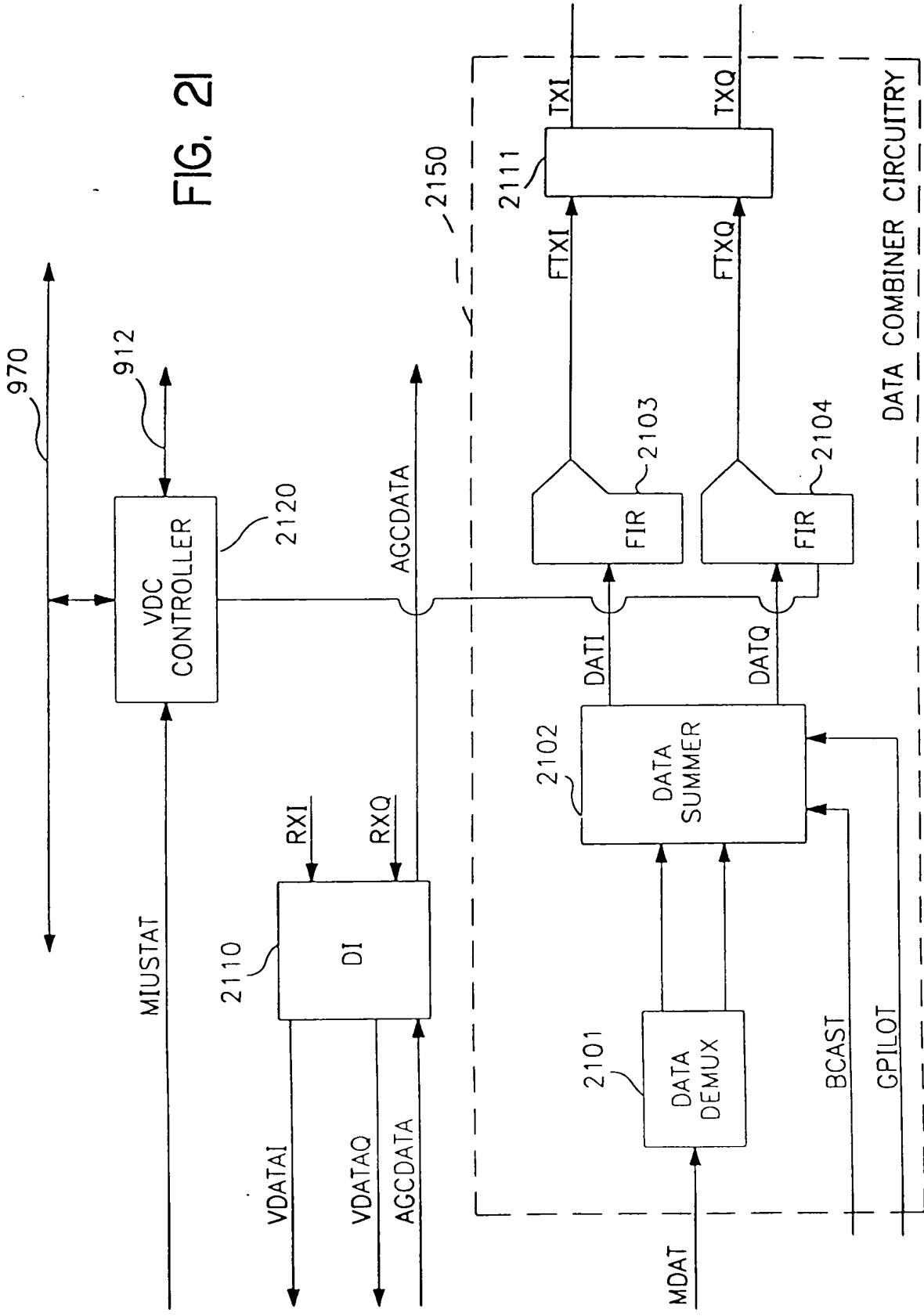


FIG. 2



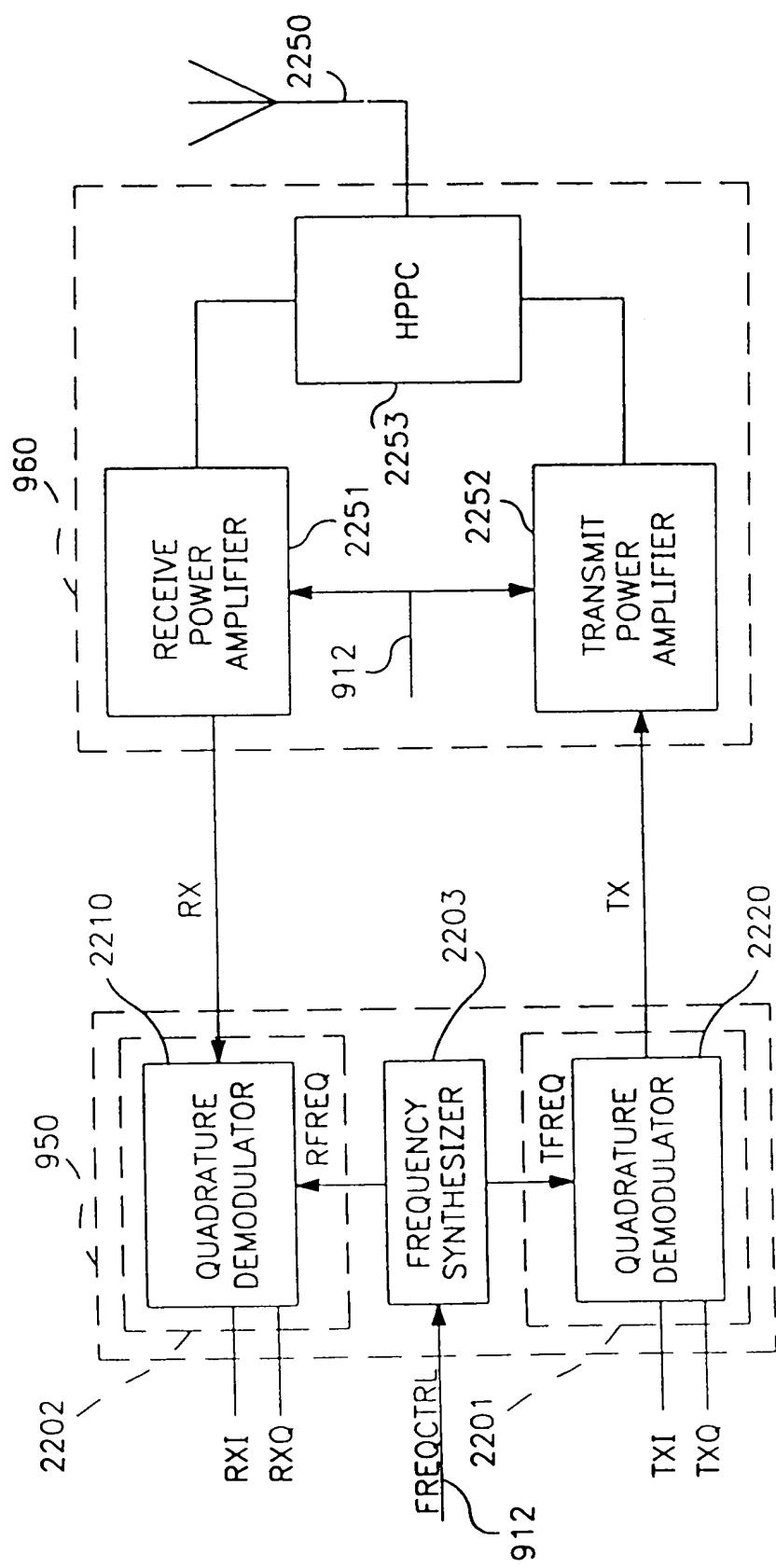
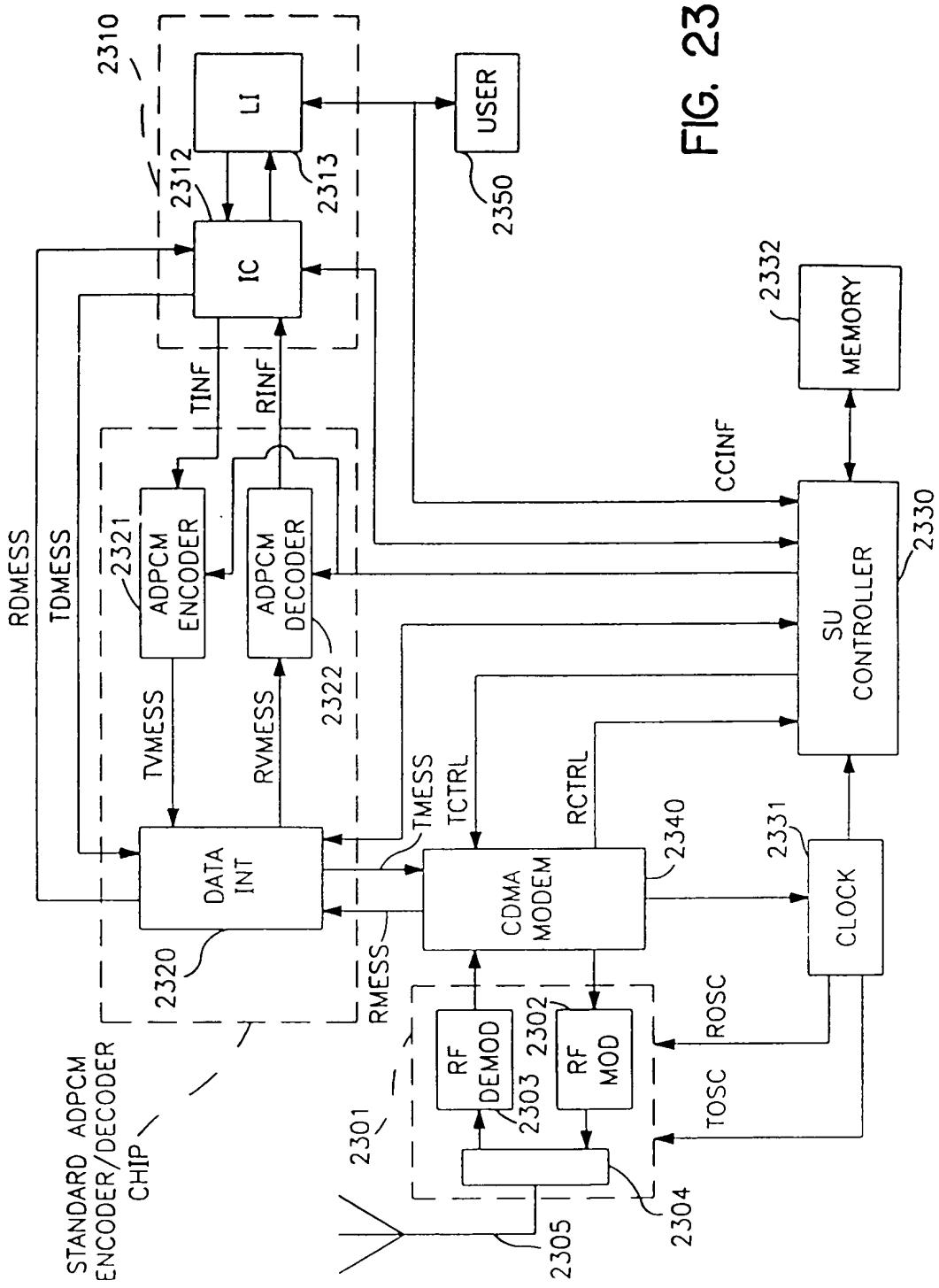


FIG. 22

FIG. 23



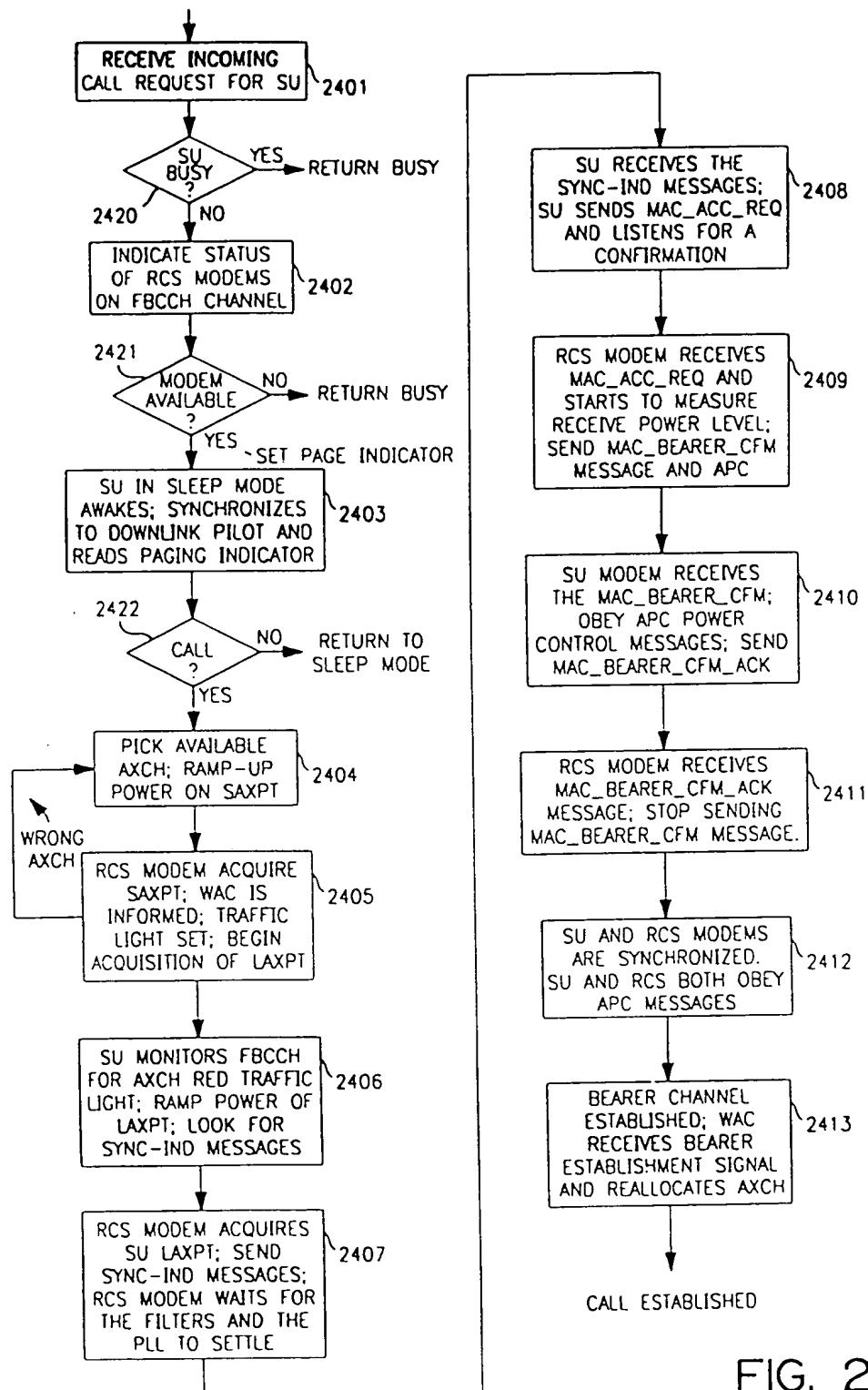


FIG. 24

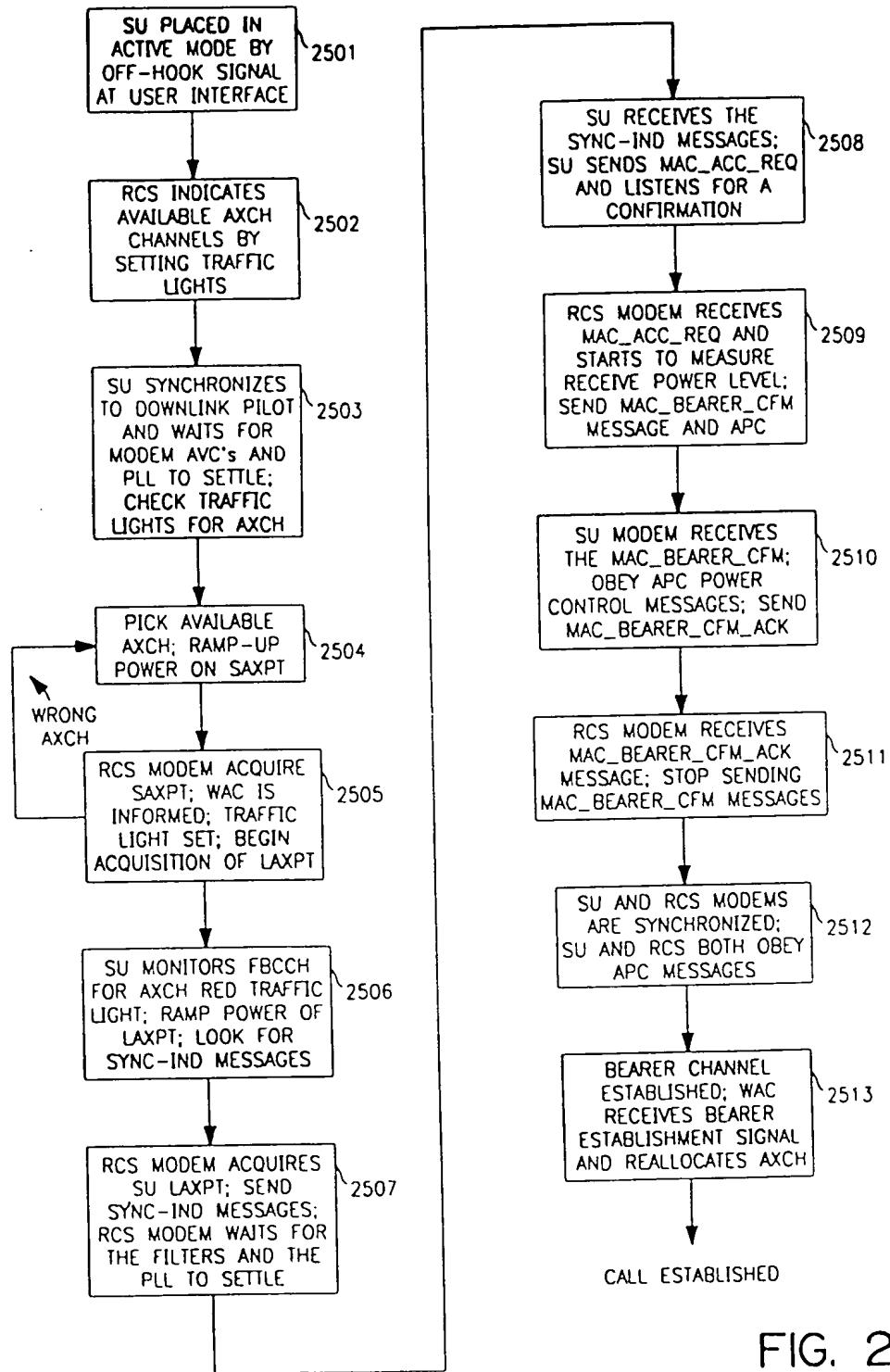


FIG. 25

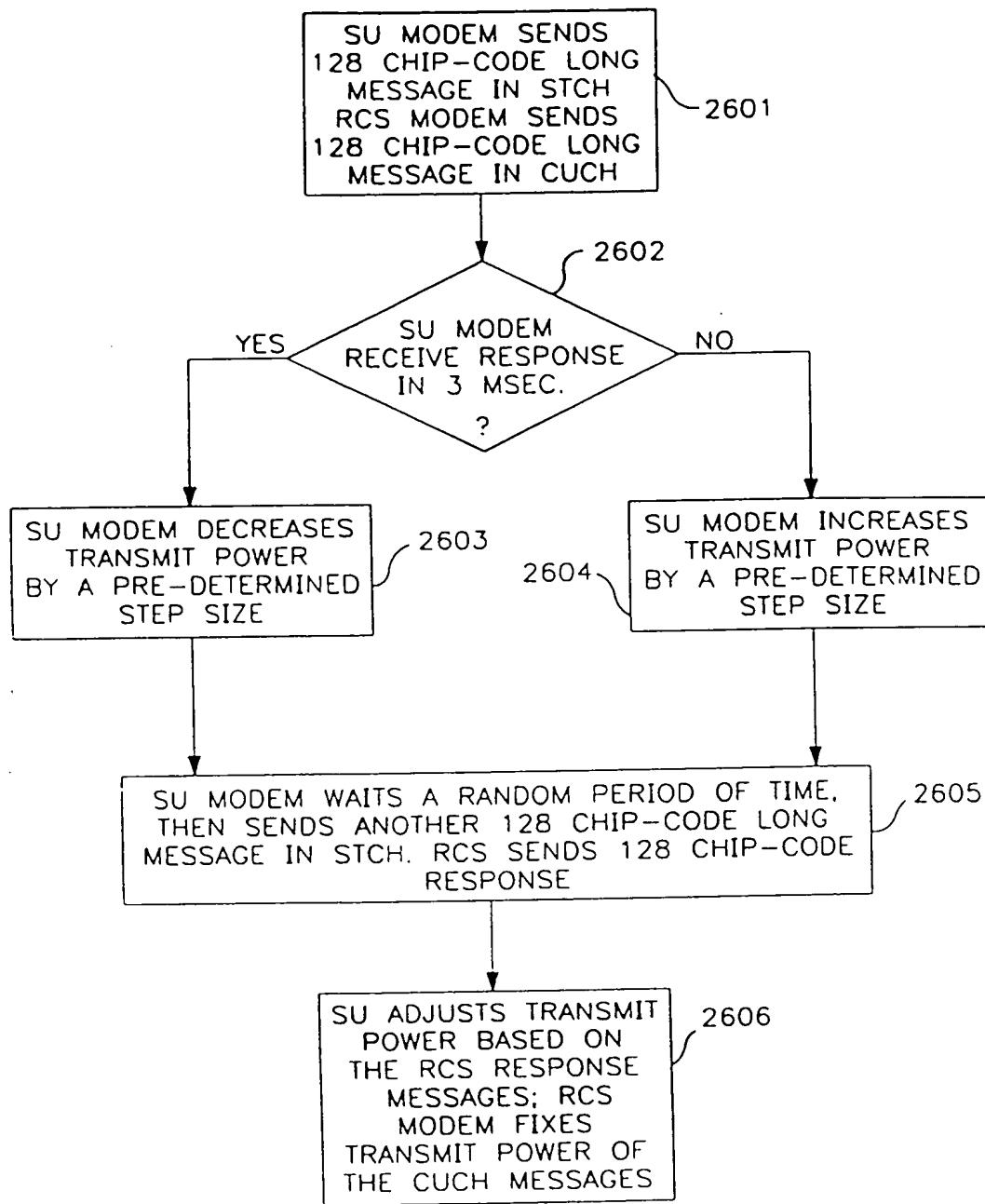


FIG. 26

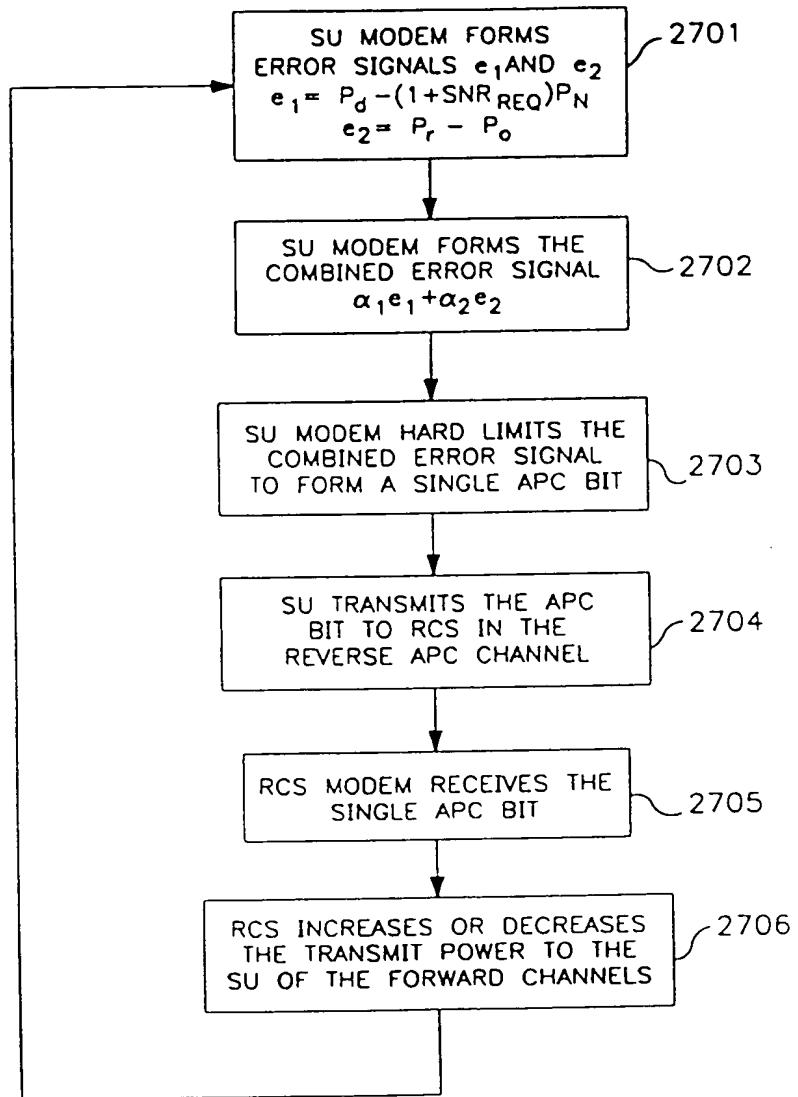


FIG. 27

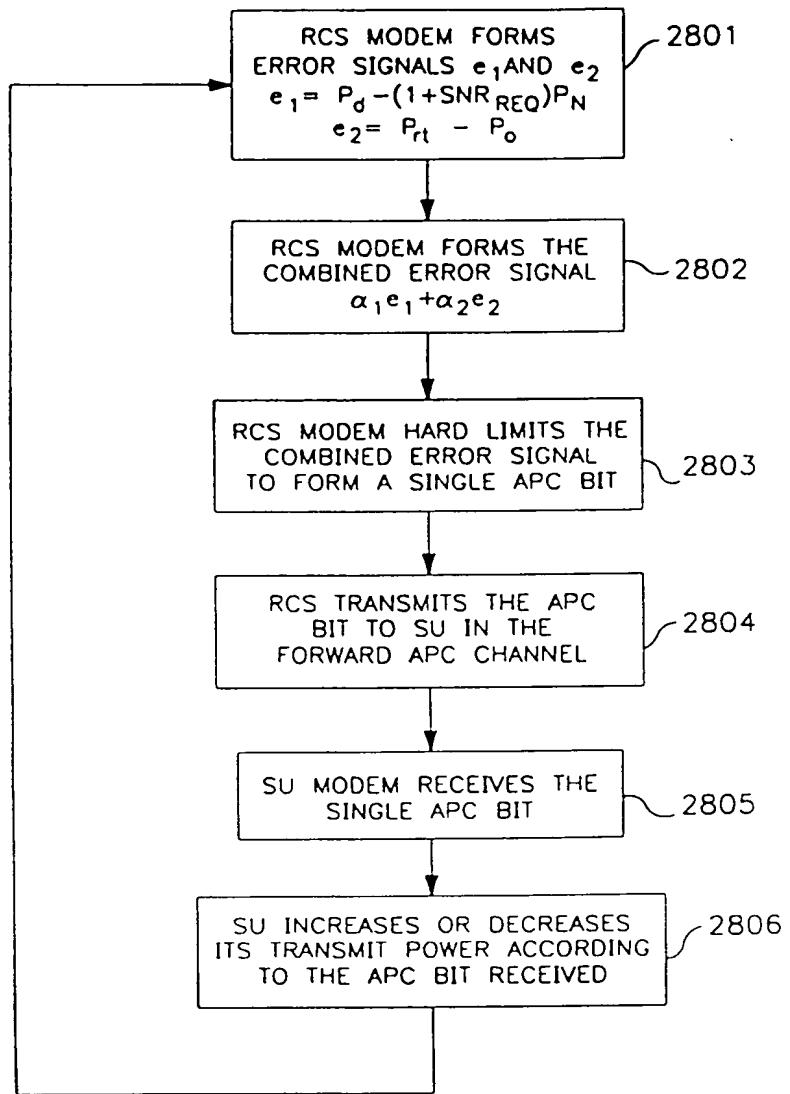


FIG. 28

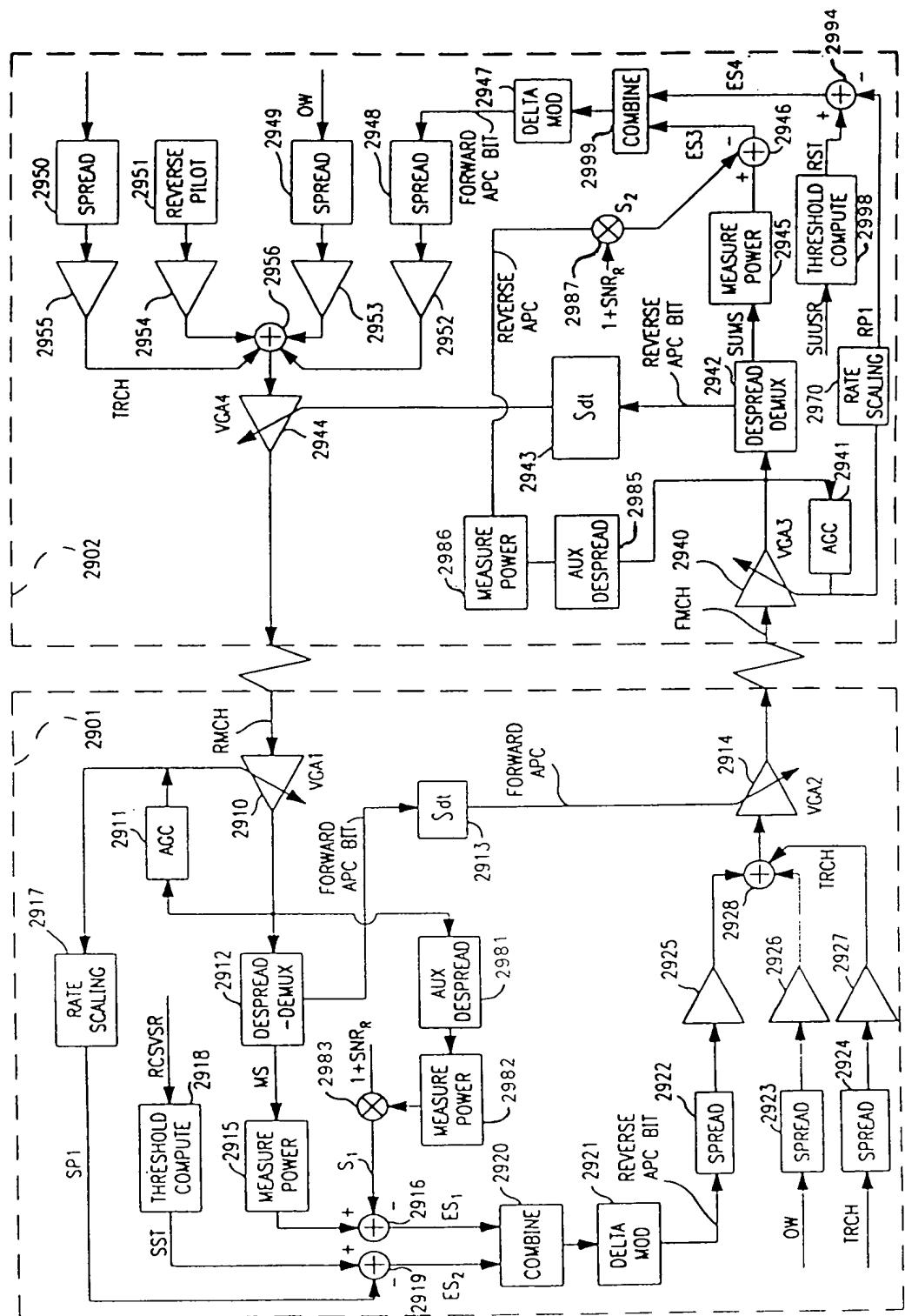


FIG. 29

FIG. 30

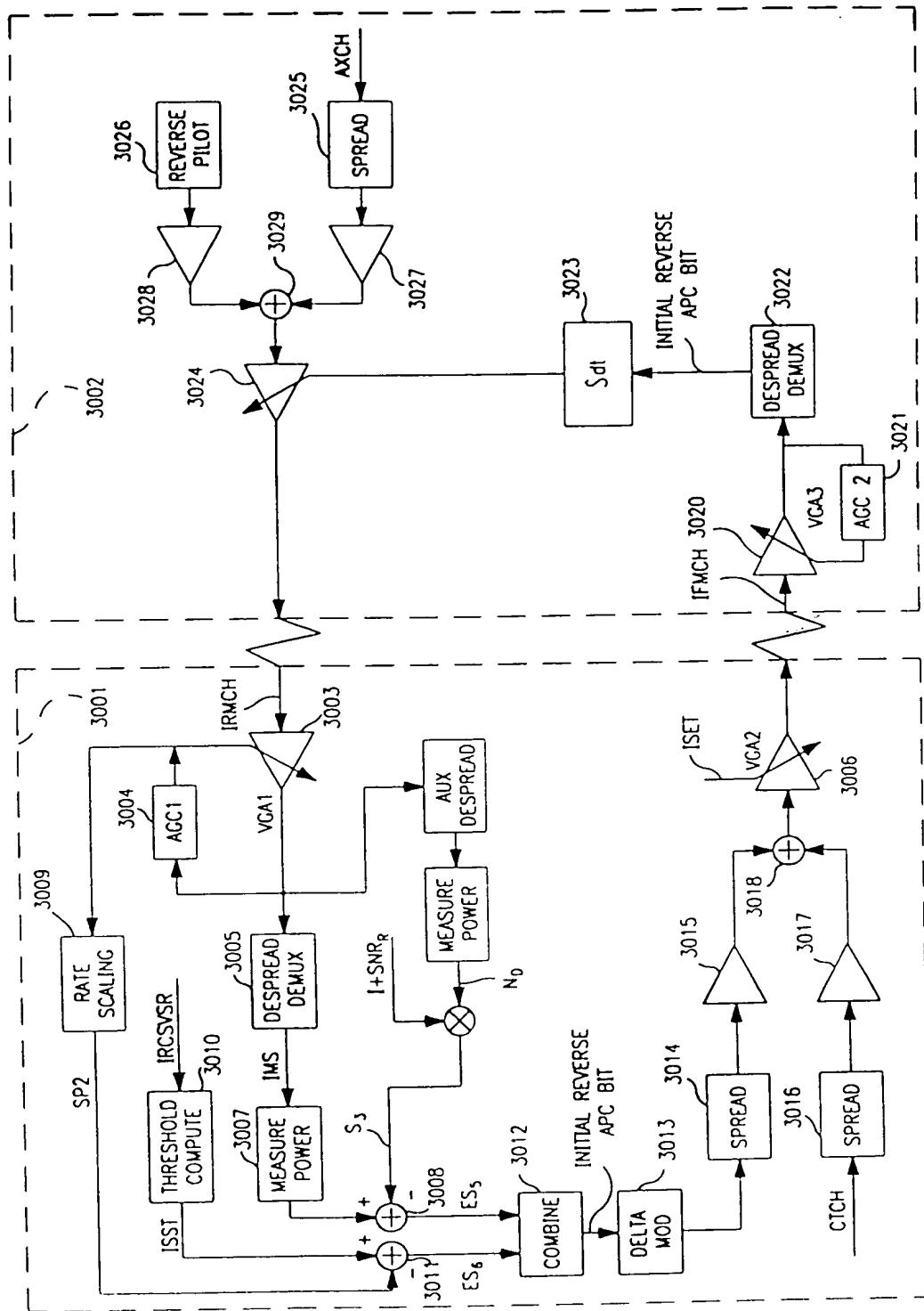


FIG. 31

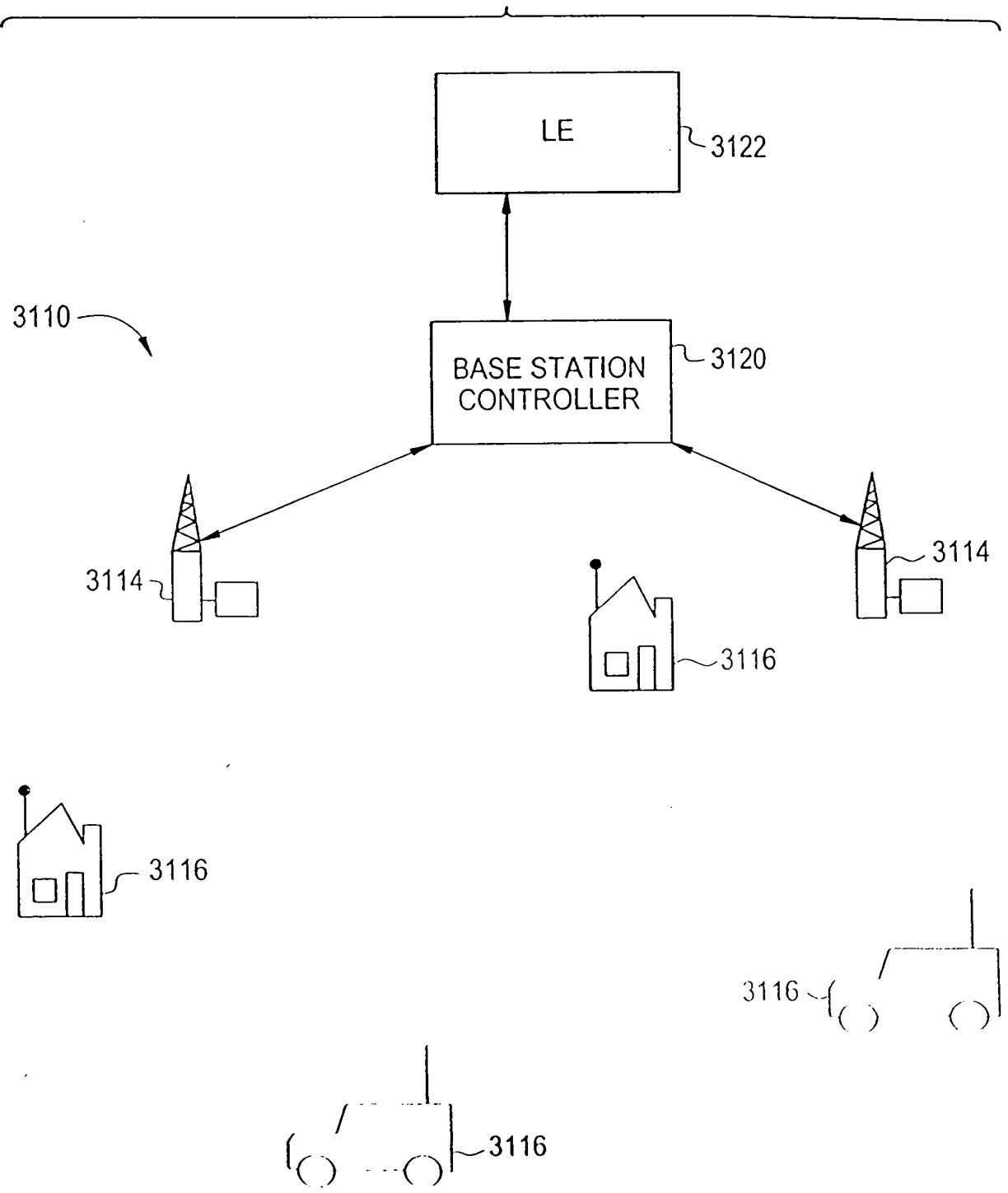


FIG. 32

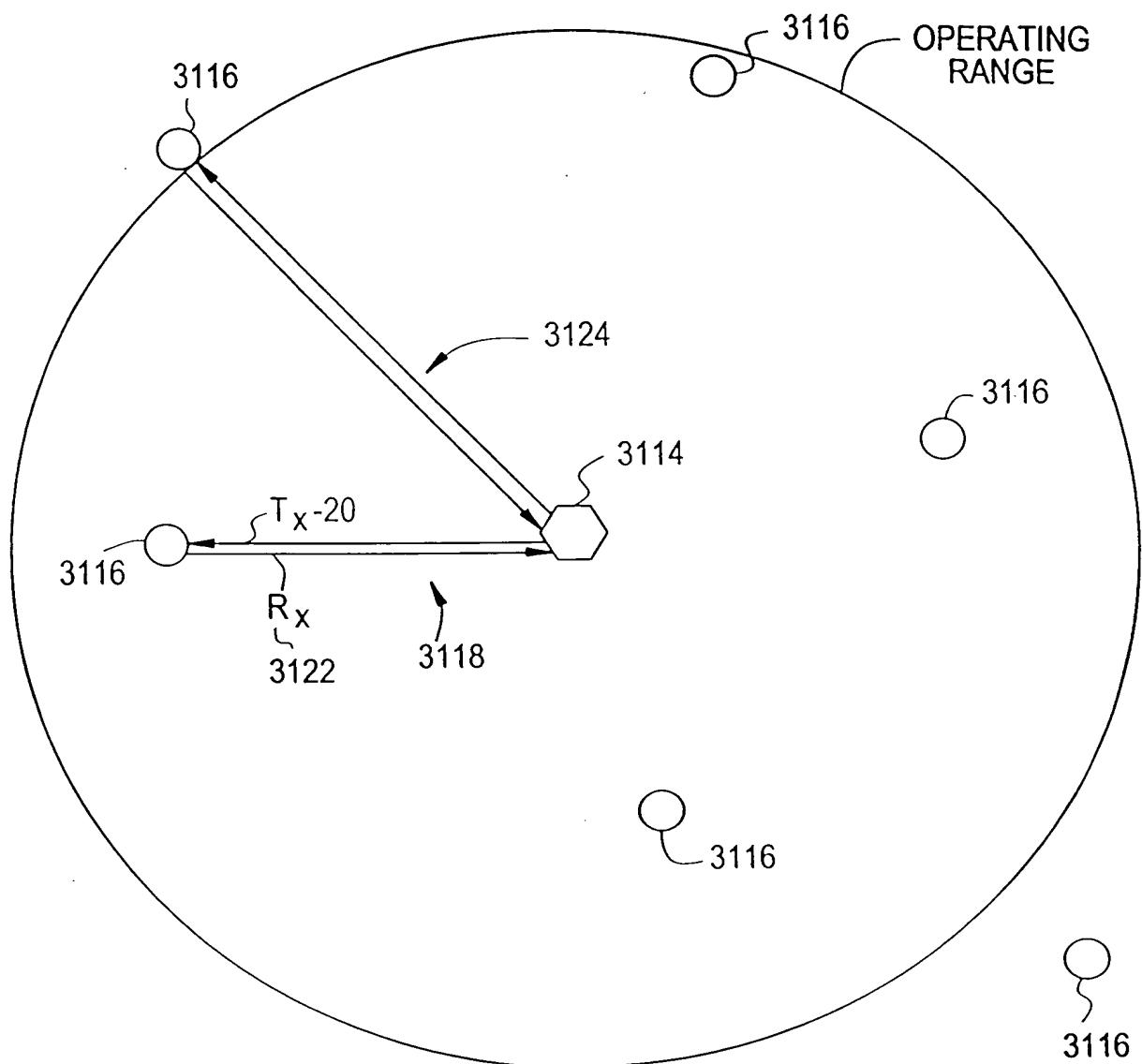


FIG. 33

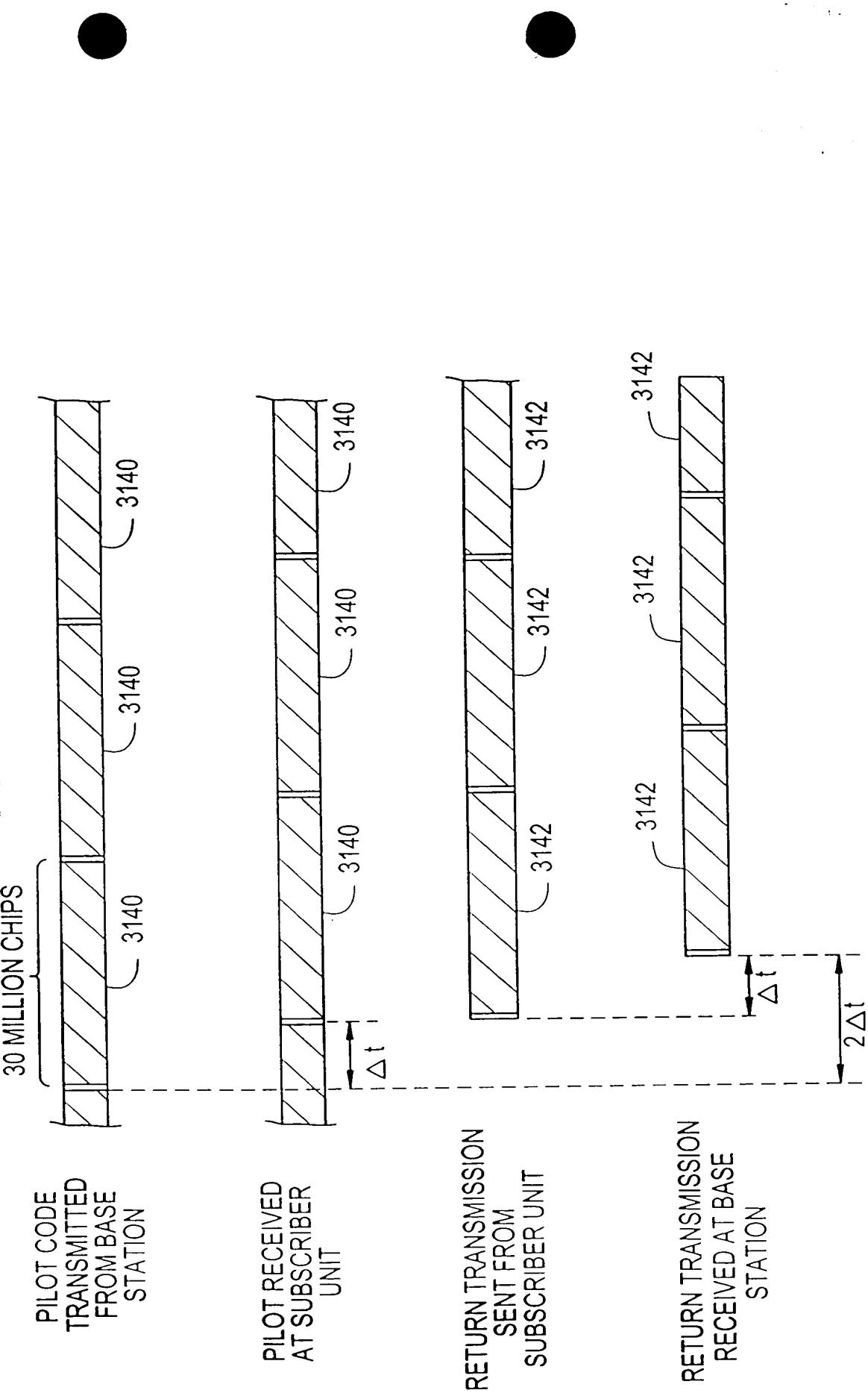


FIG. 34

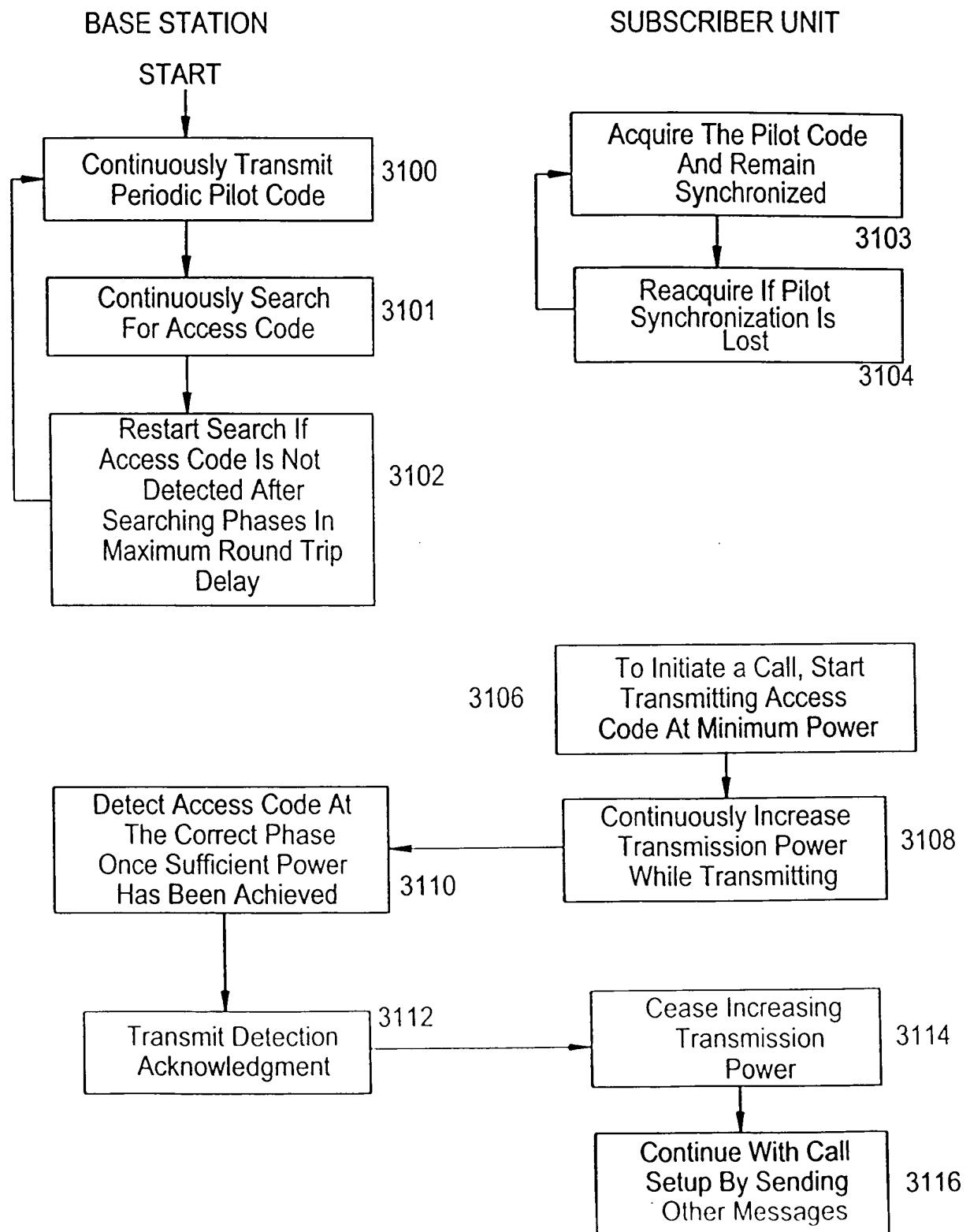


FIG. 35

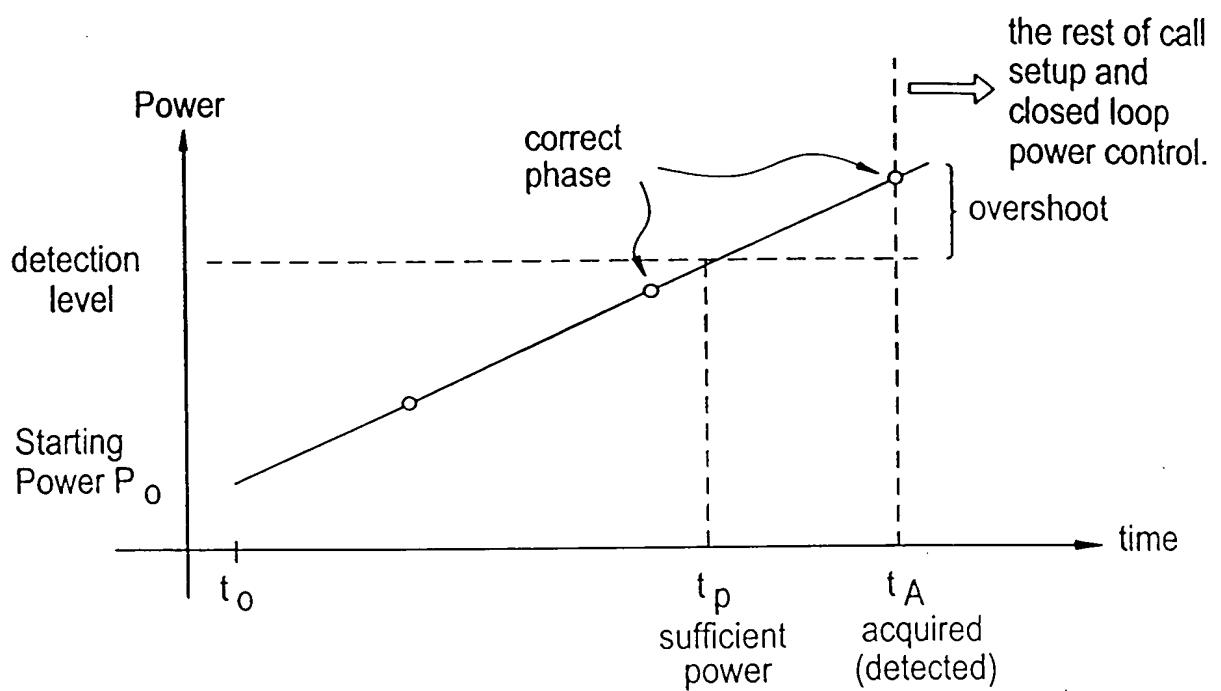


FIG. 37

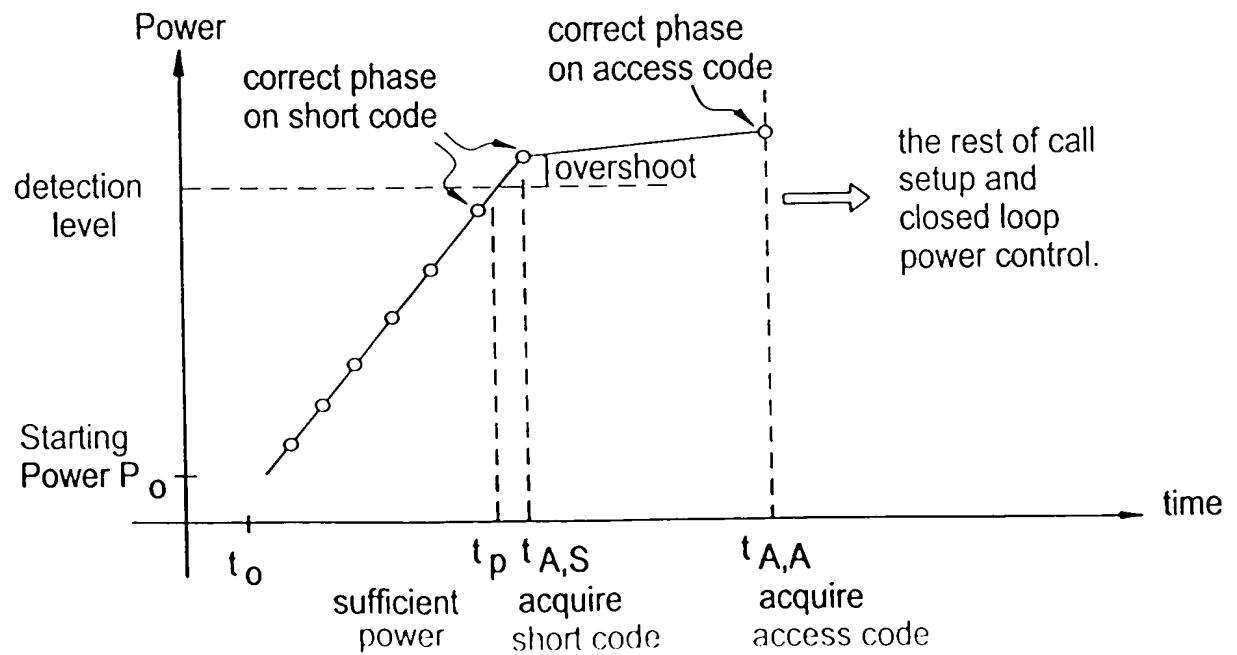


FIG. 36A

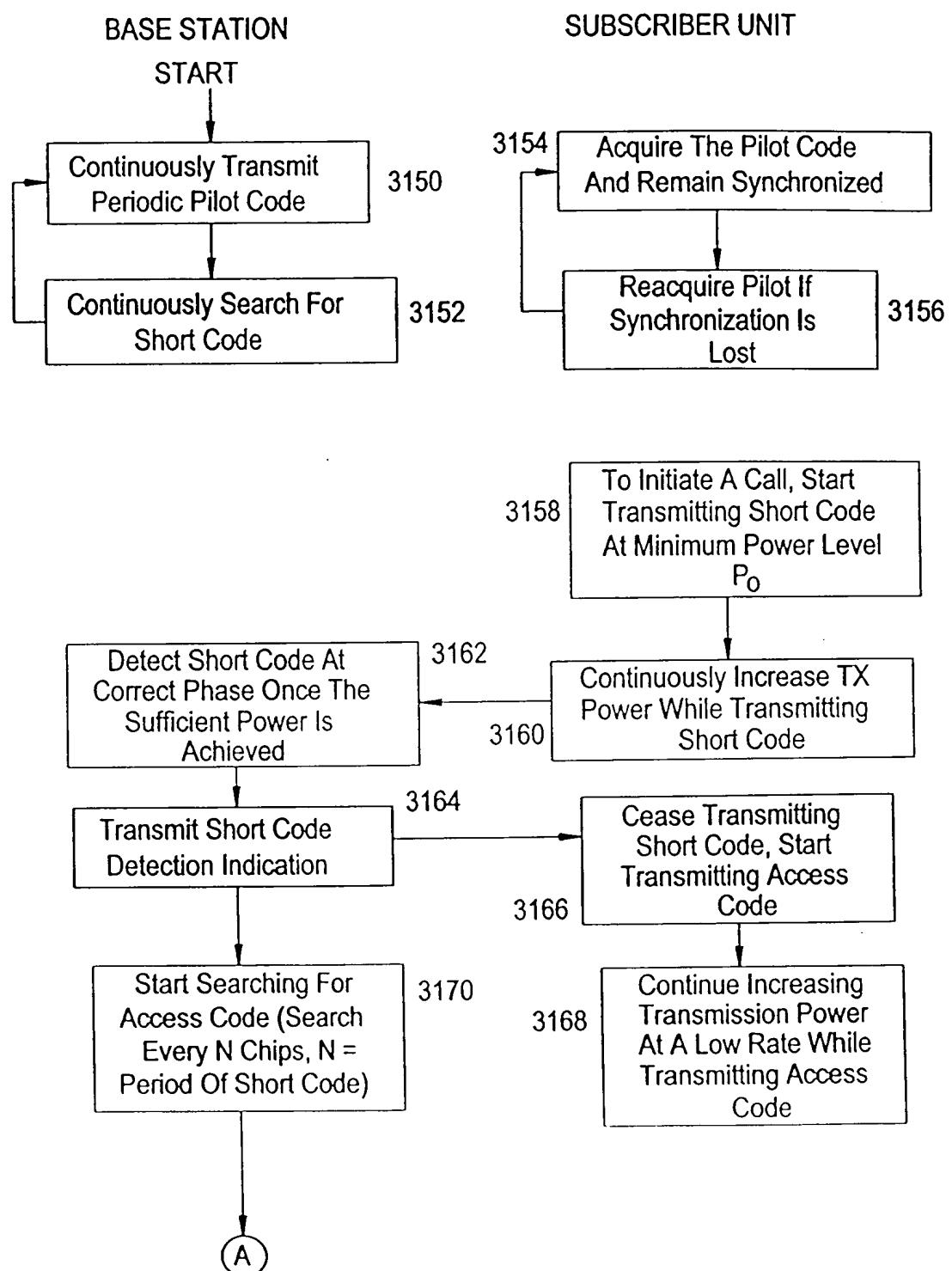


FIG. 36B

BASE STATION

SUBSCRIBER UNIT

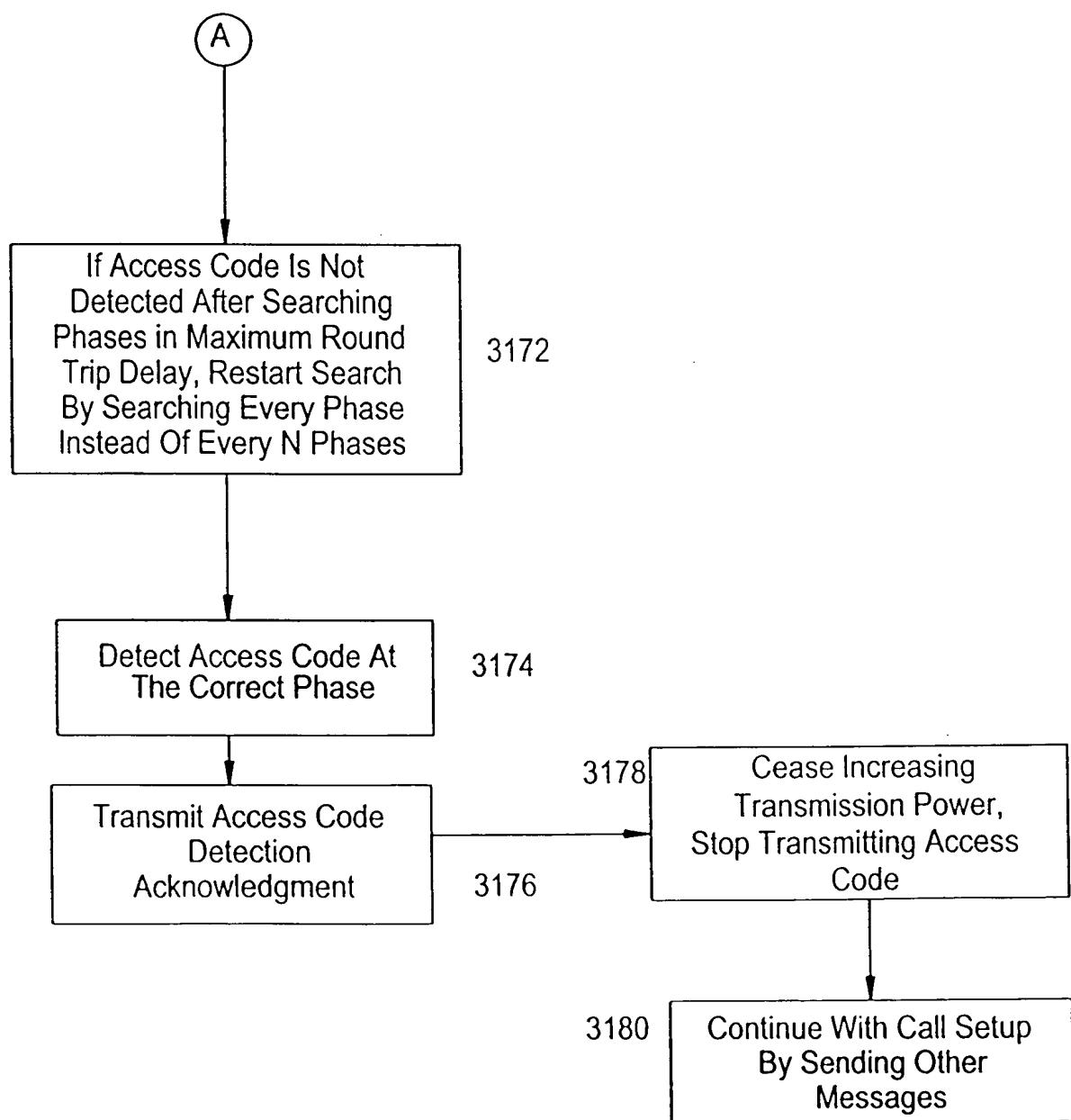


FIG. 38

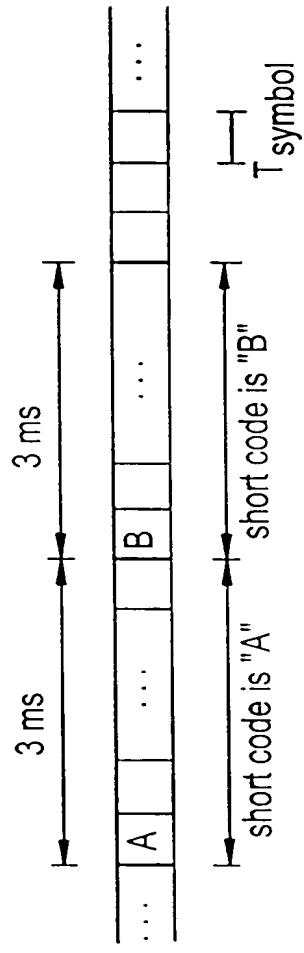


FIG. 39

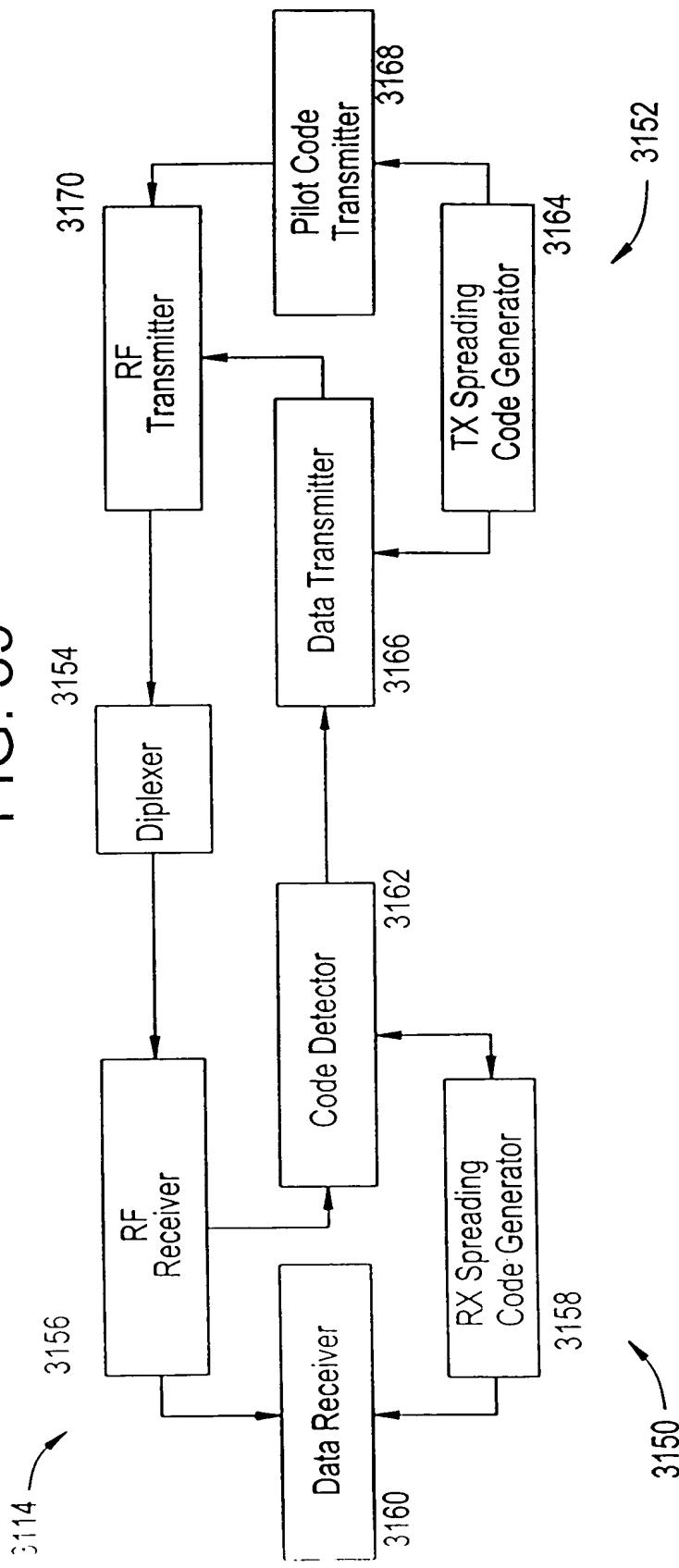


FIG. 40

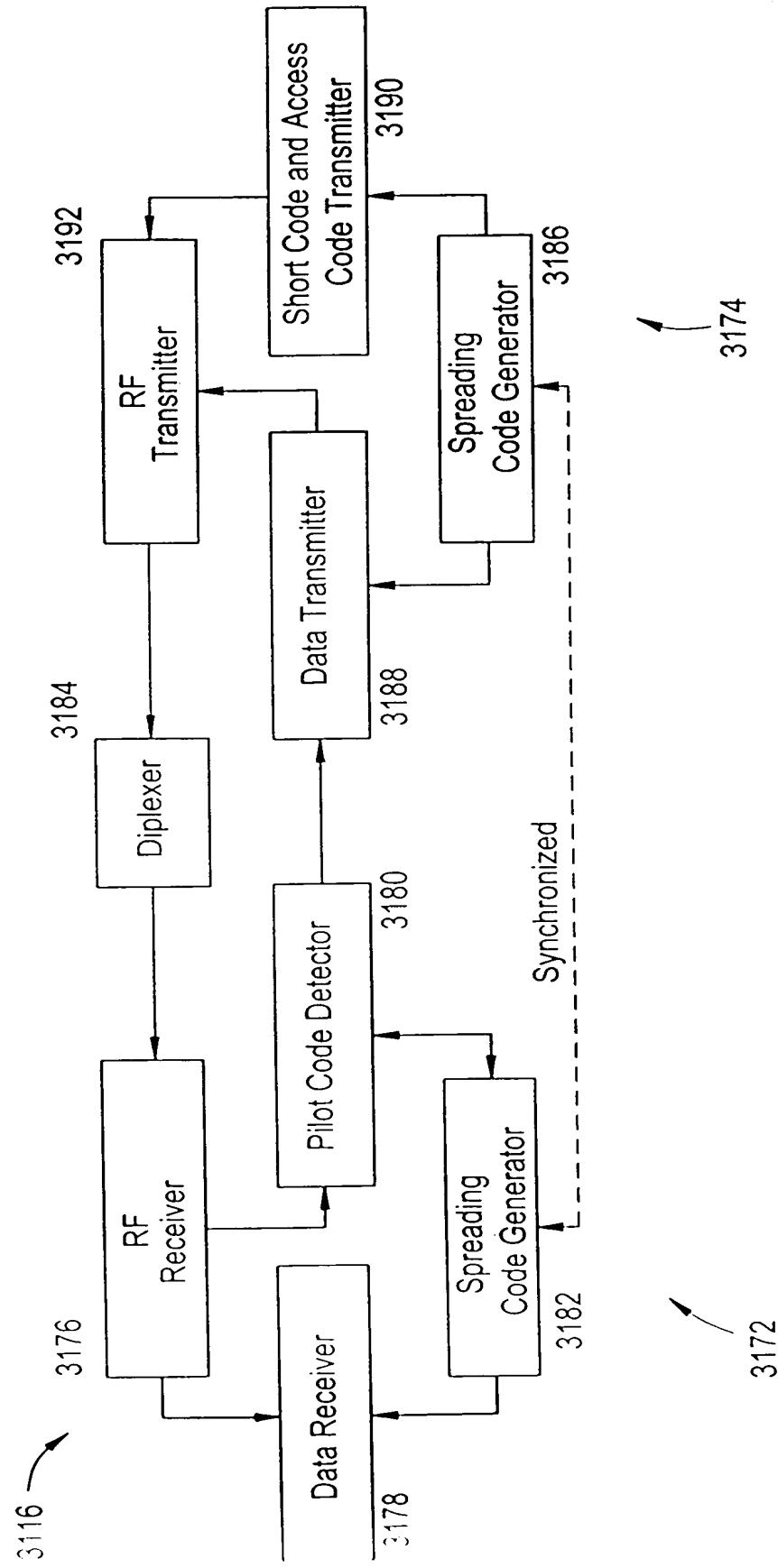


FIG. 41A

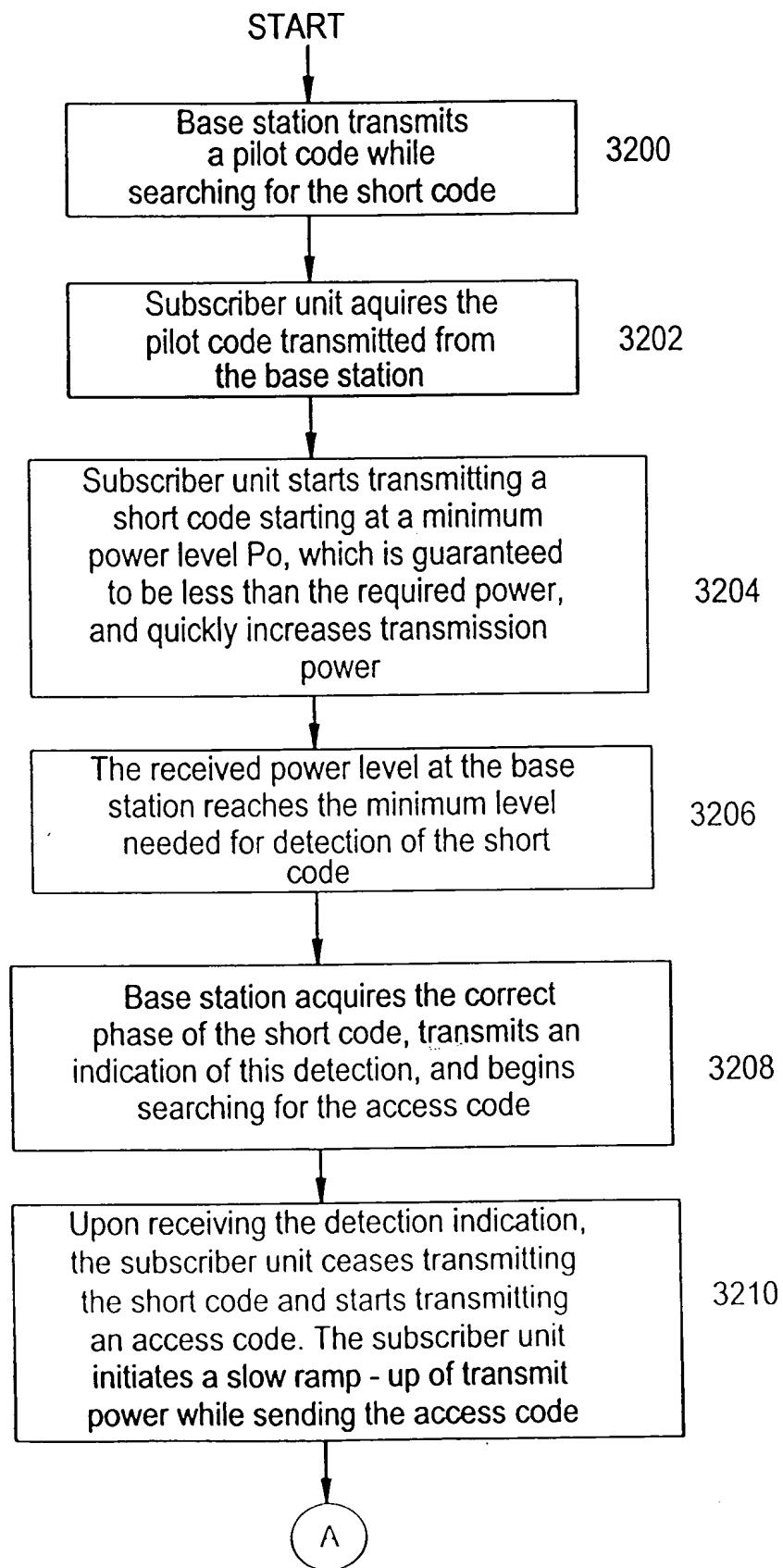


FIG. 41B

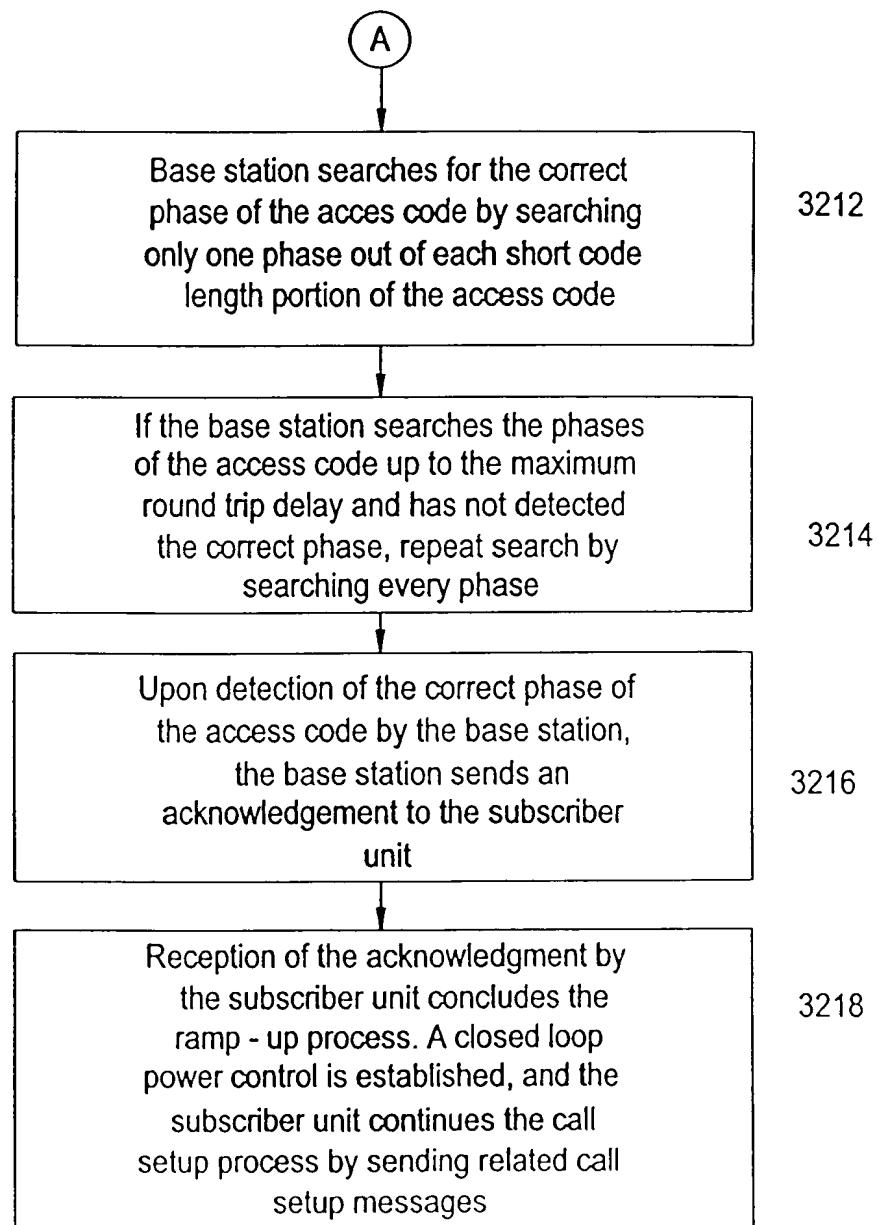


FIG. 42
PRIOR ART

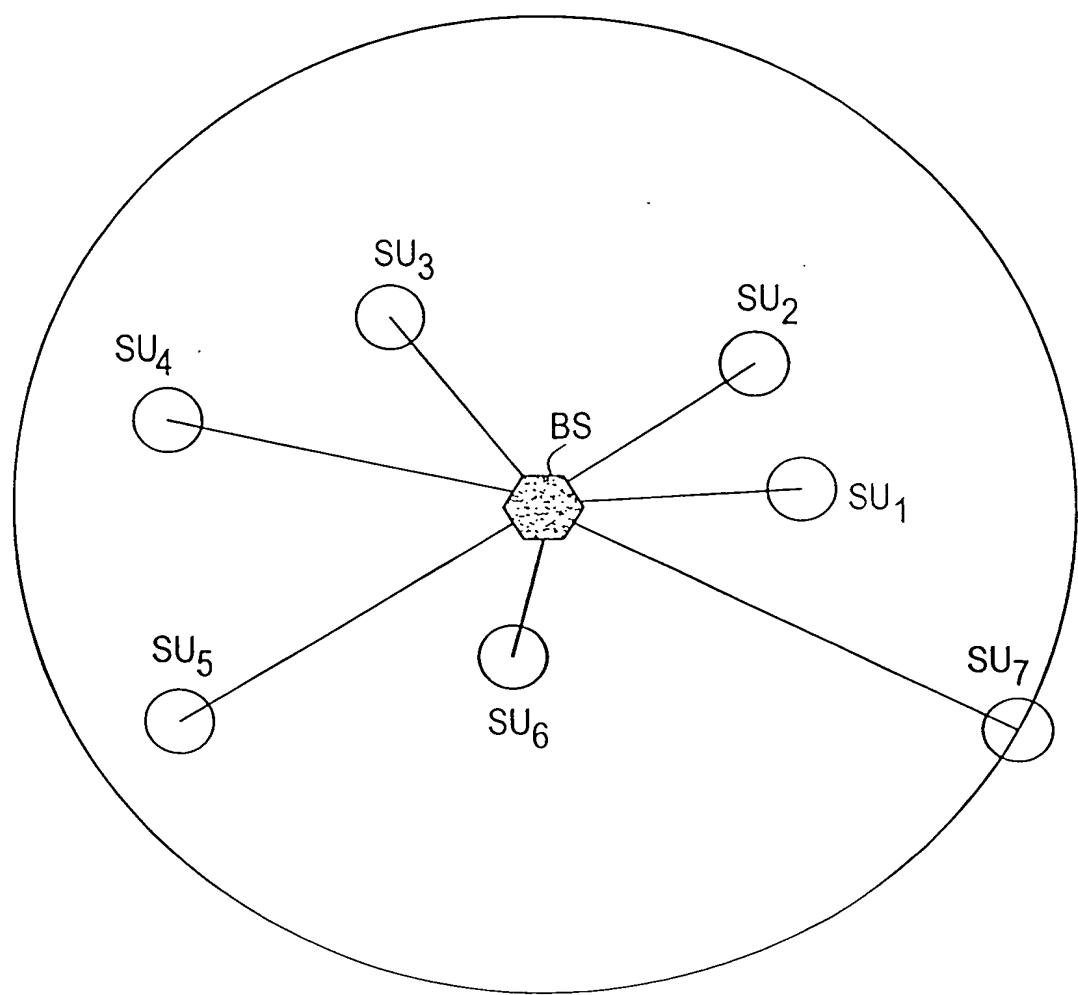


FIG. 43
(PRIOR ART)

Mean Cell Sweep Time, FSU @ 20 KM

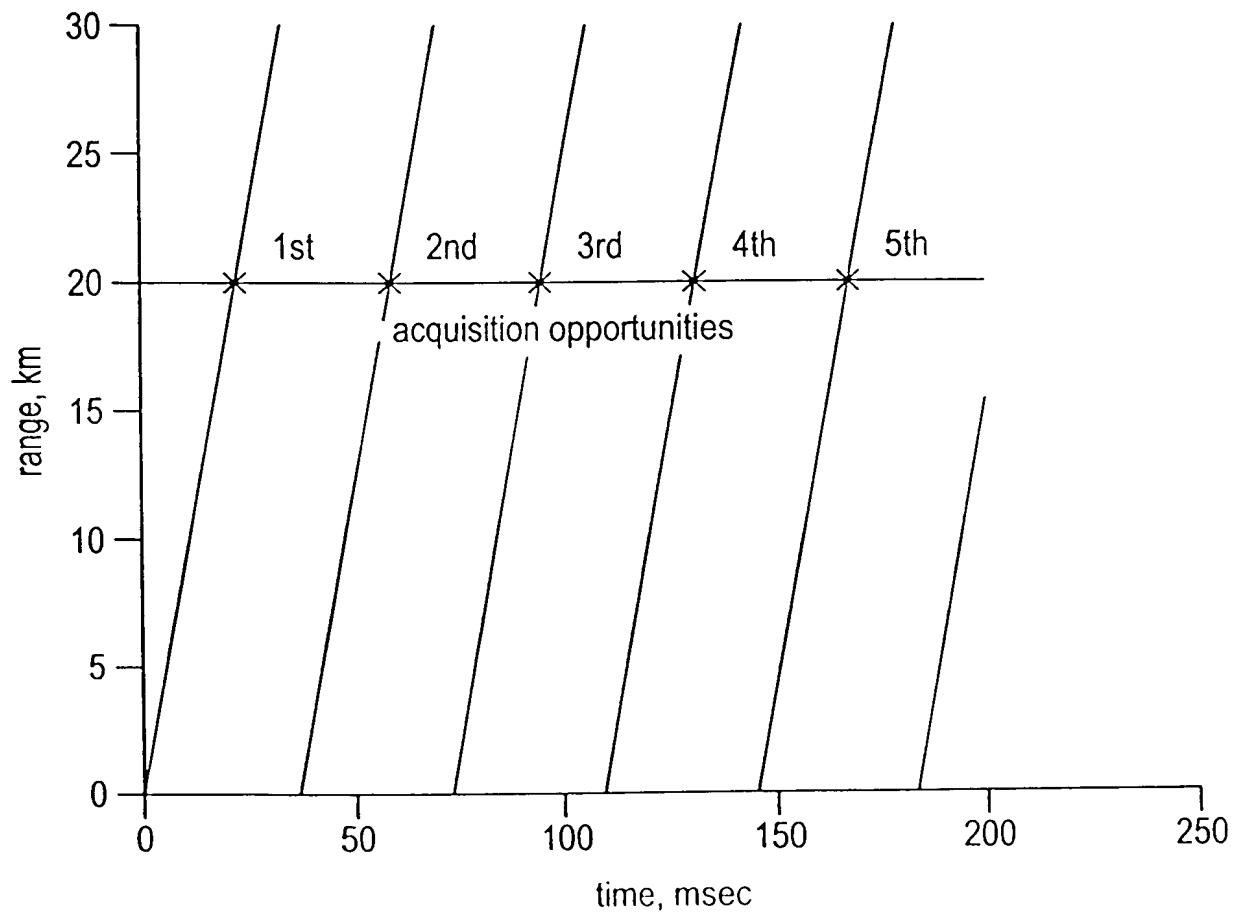


FIG.44

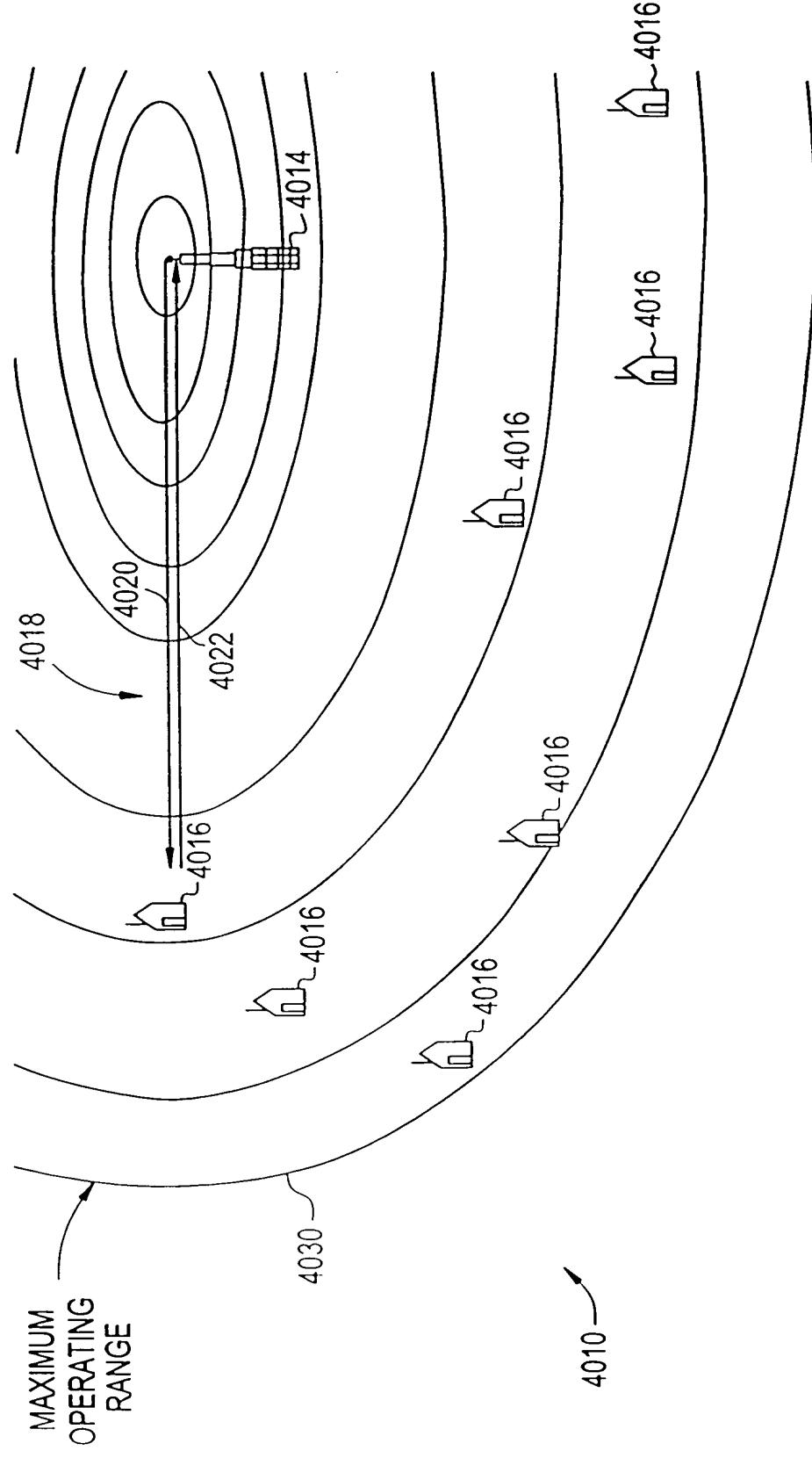


FIG. 45

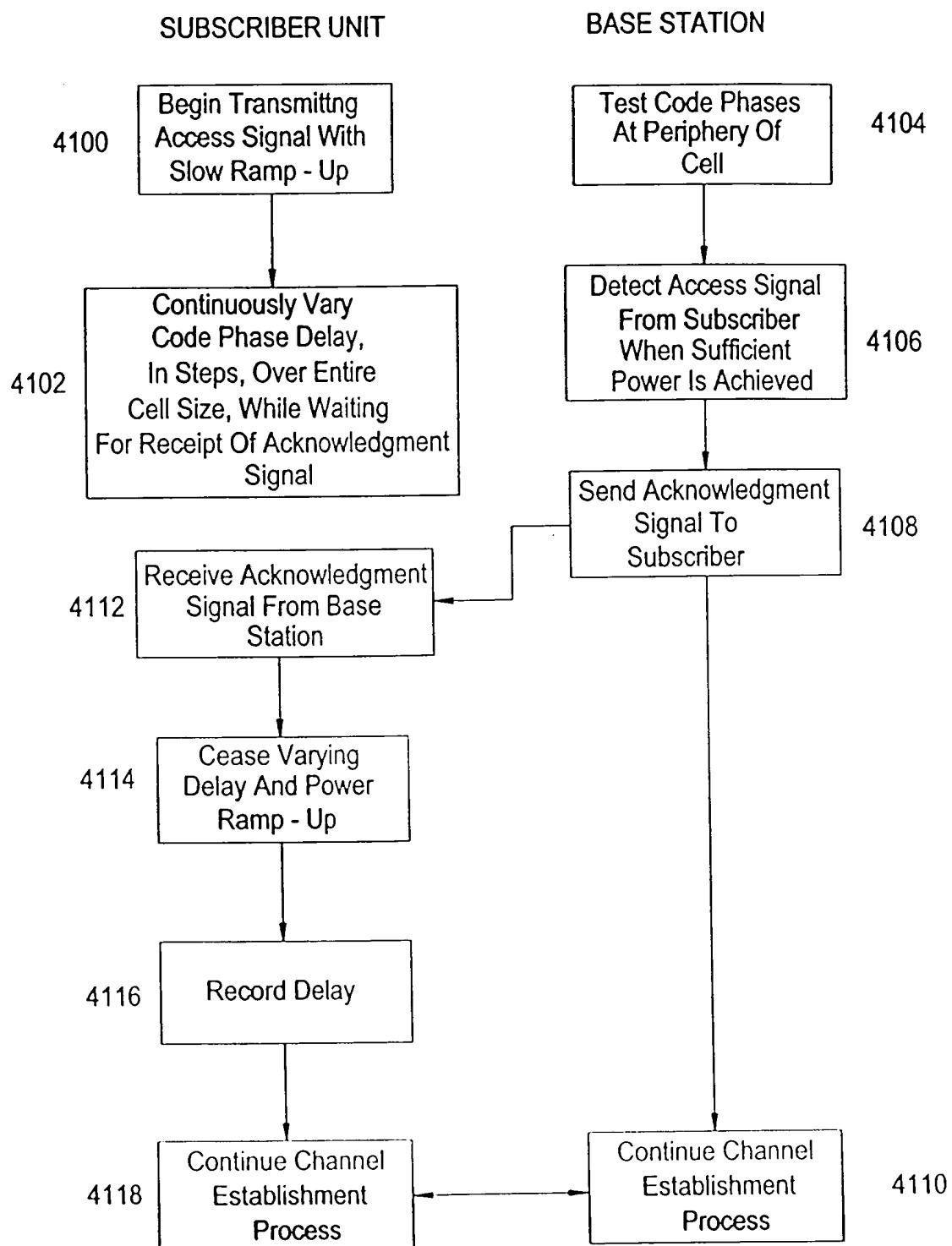


FIG. 46

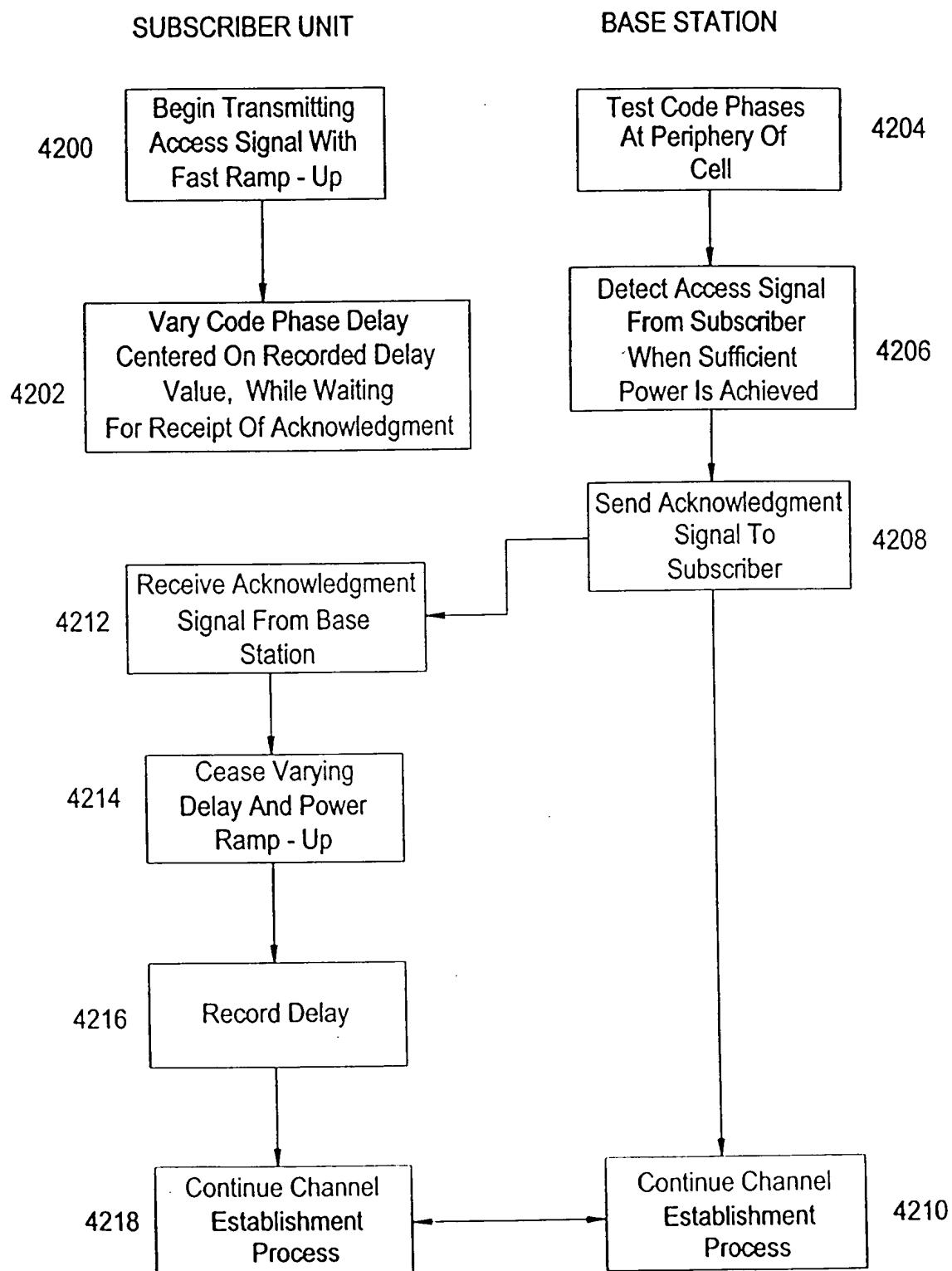


FIG. 47

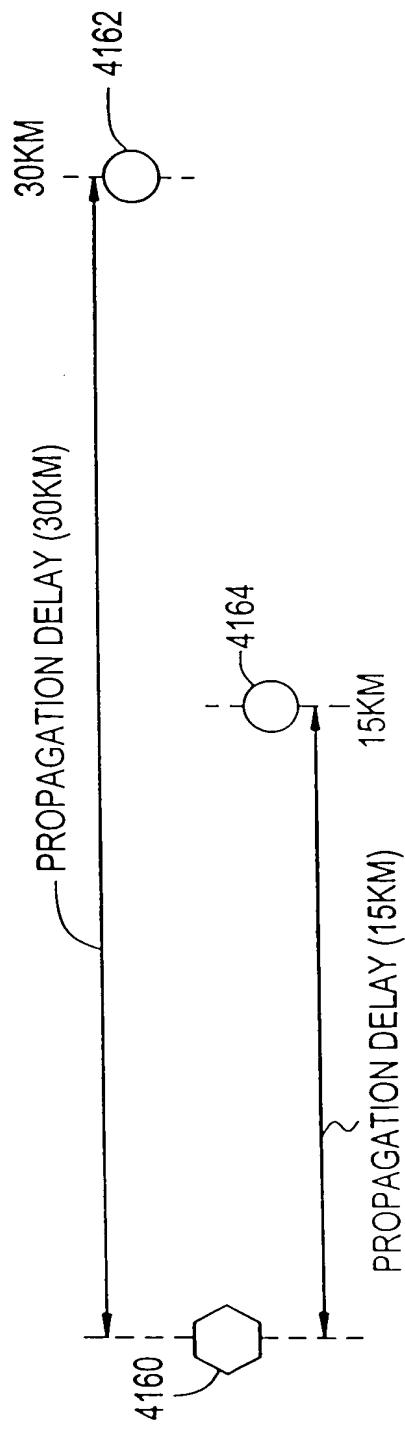


FIG. 48

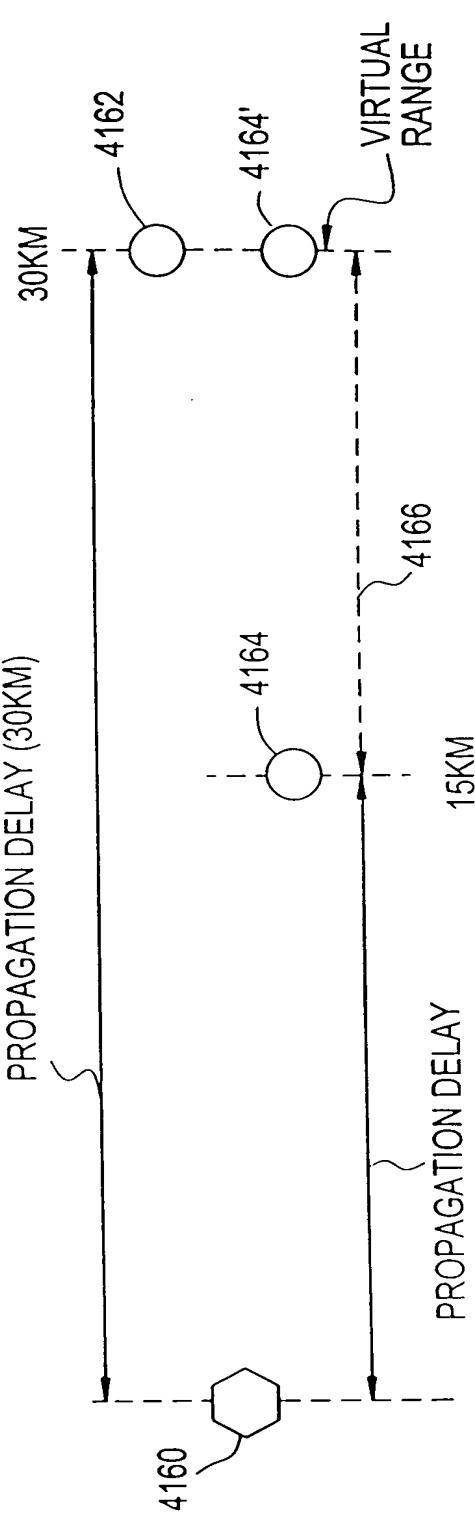


FIG. 49

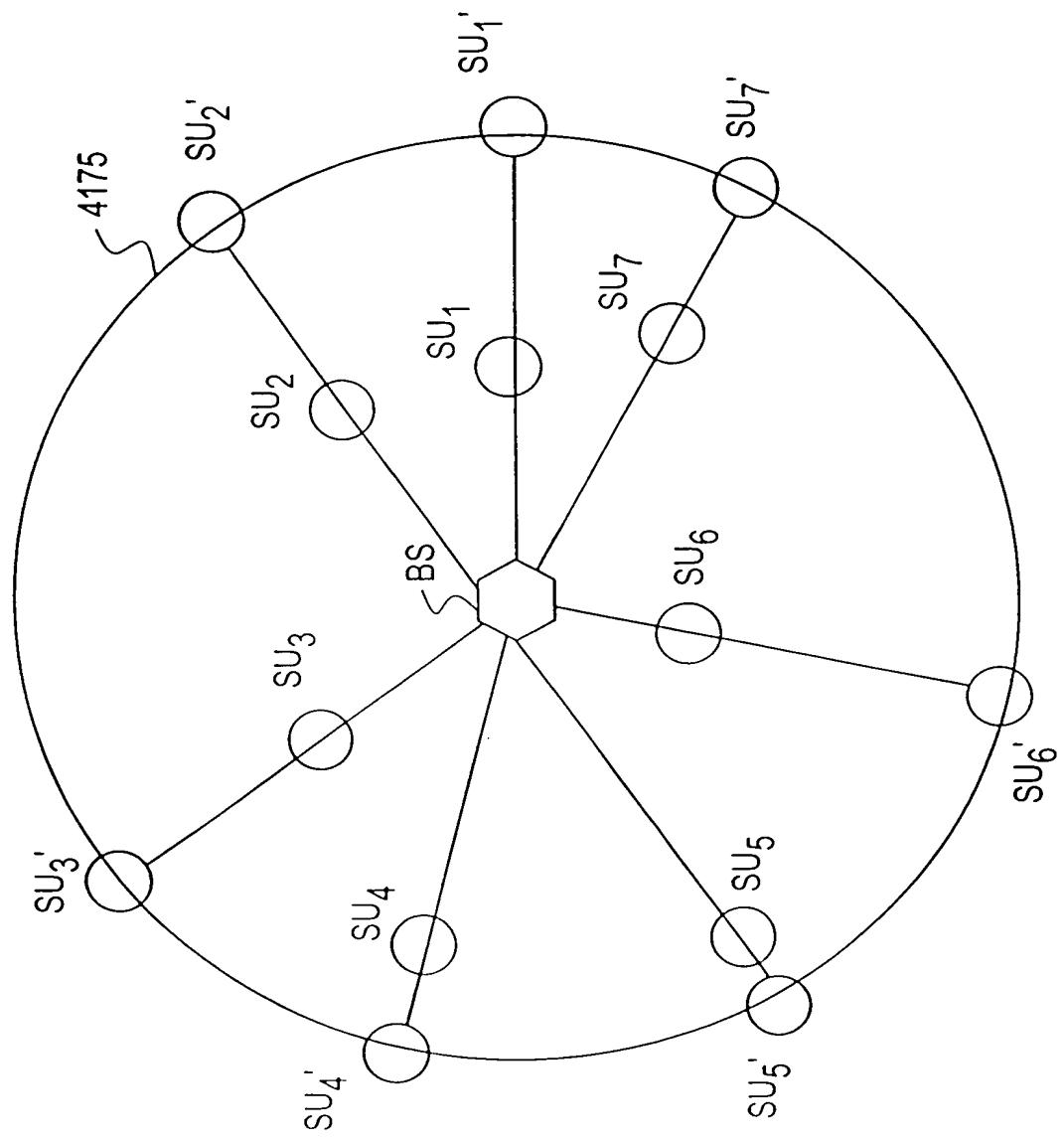


FIG. 50

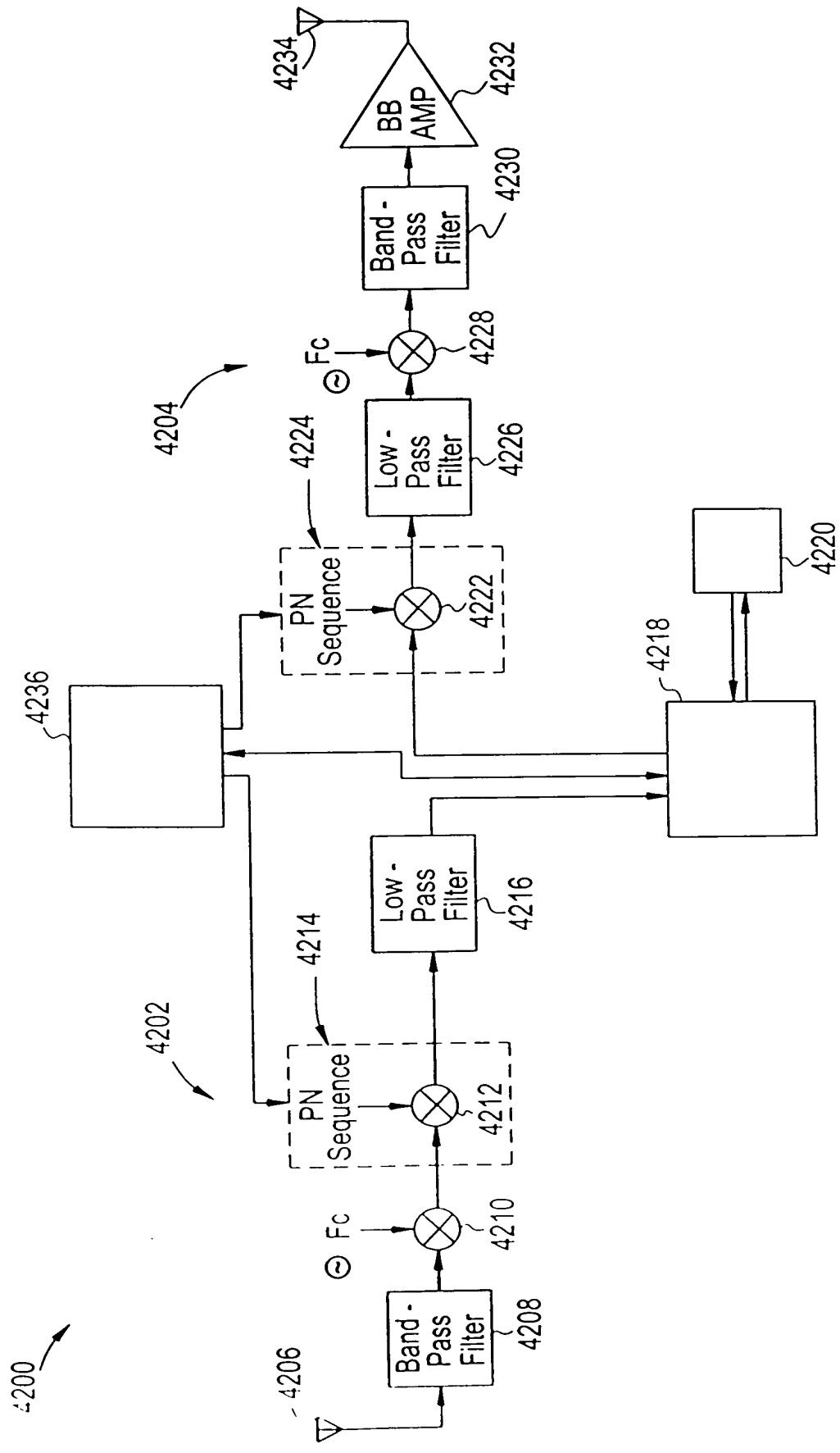


FIG. 51

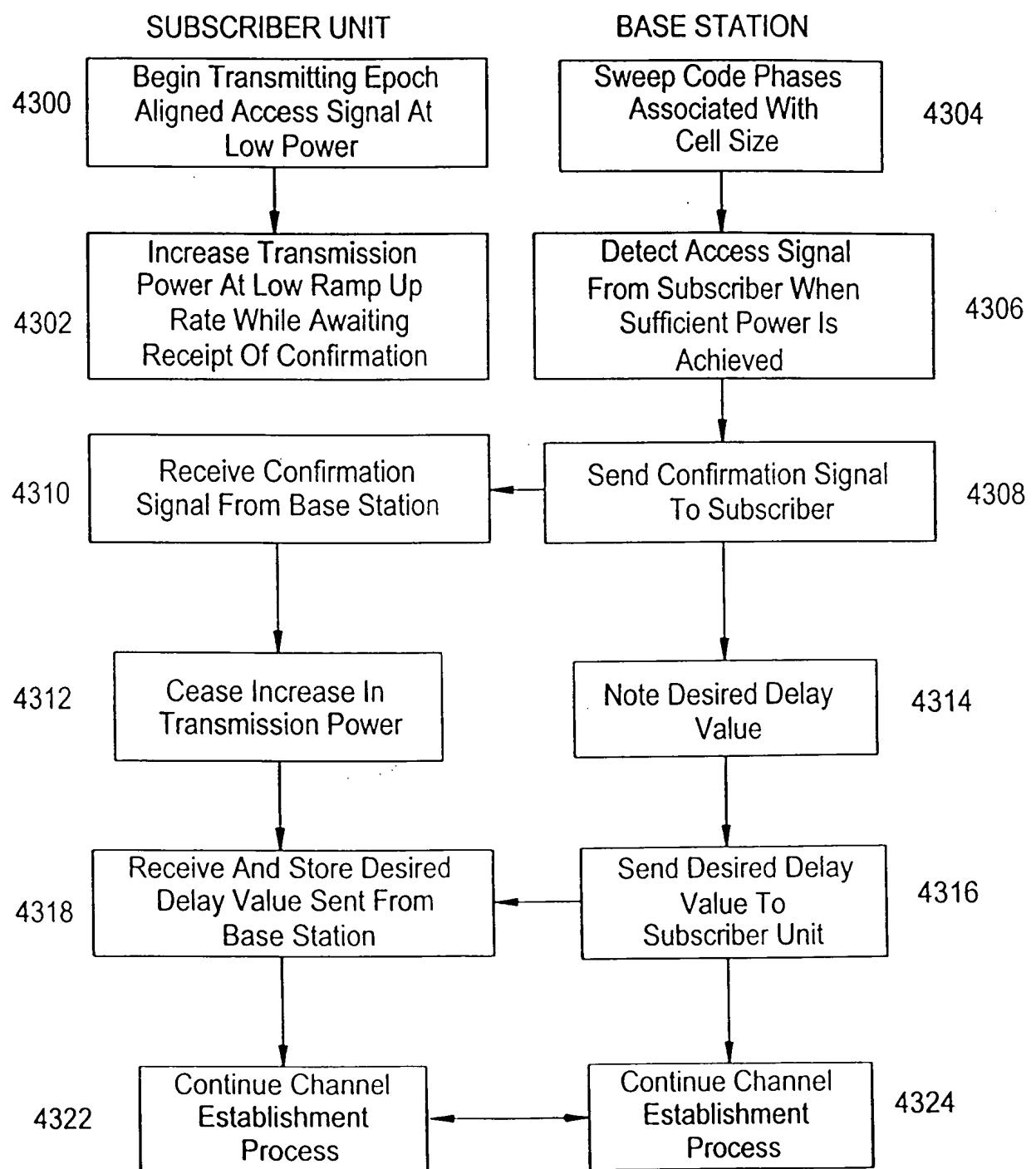


FIG. 52

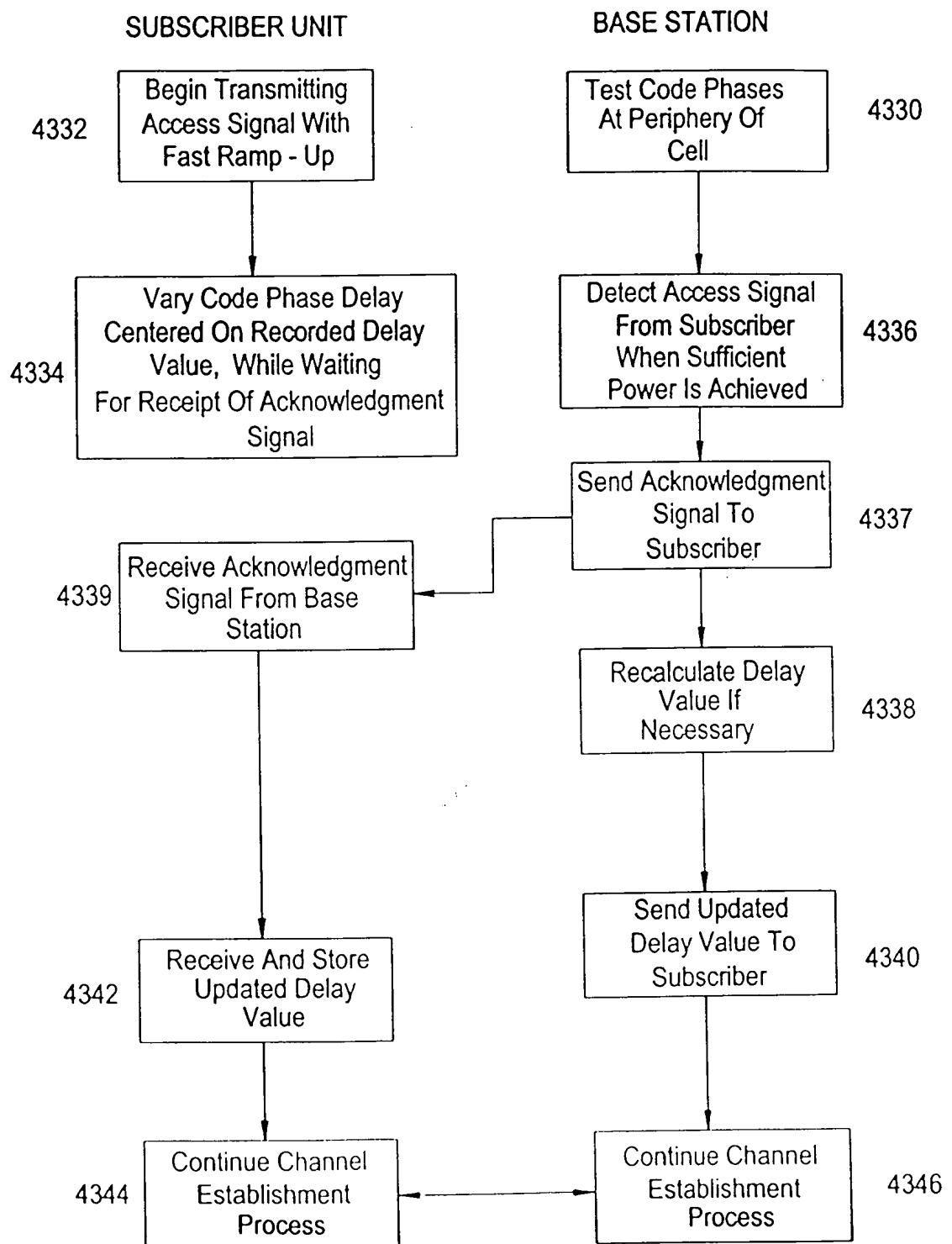


FIG. 53

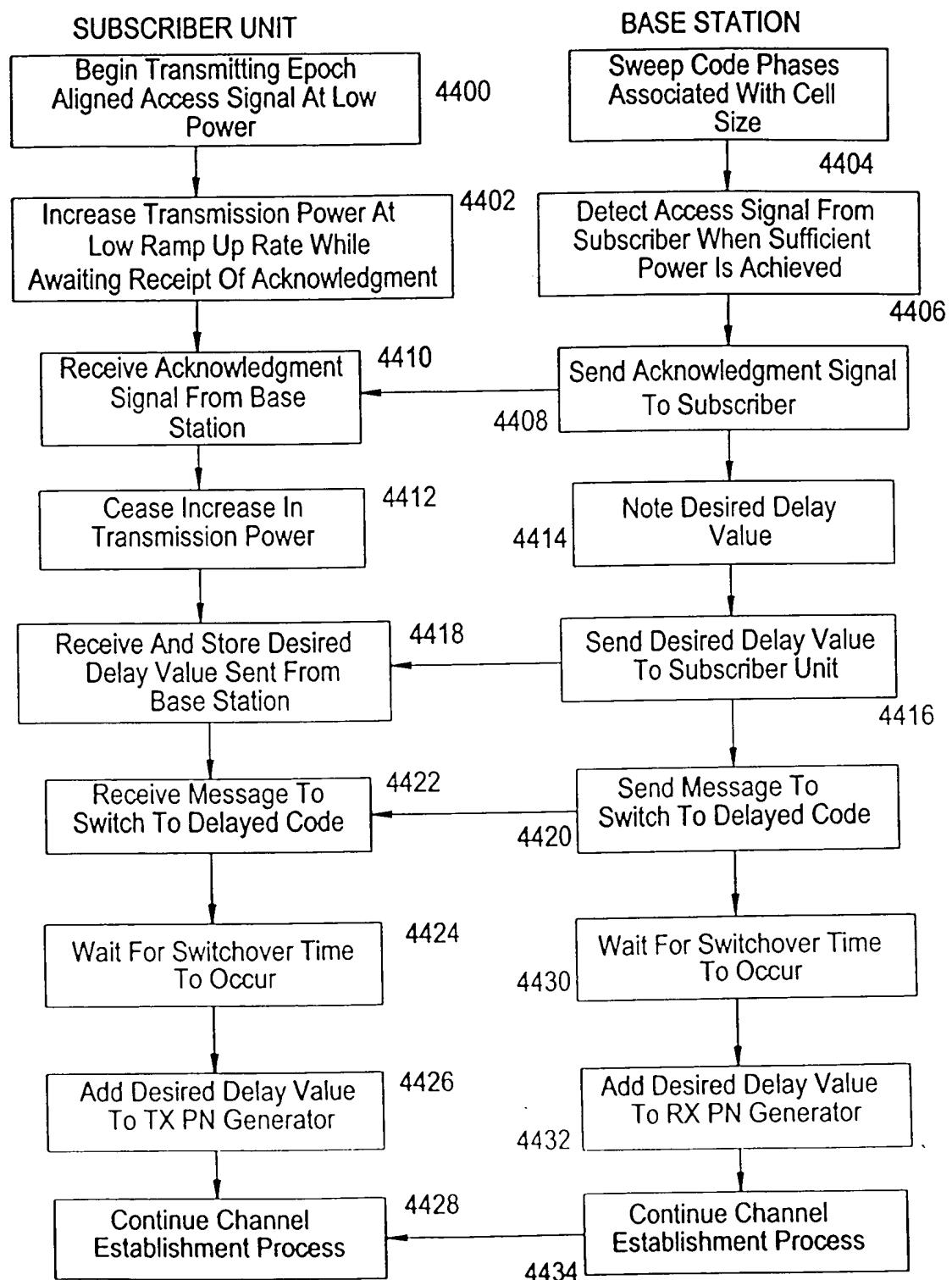


FIG. 54
PRIOR ART

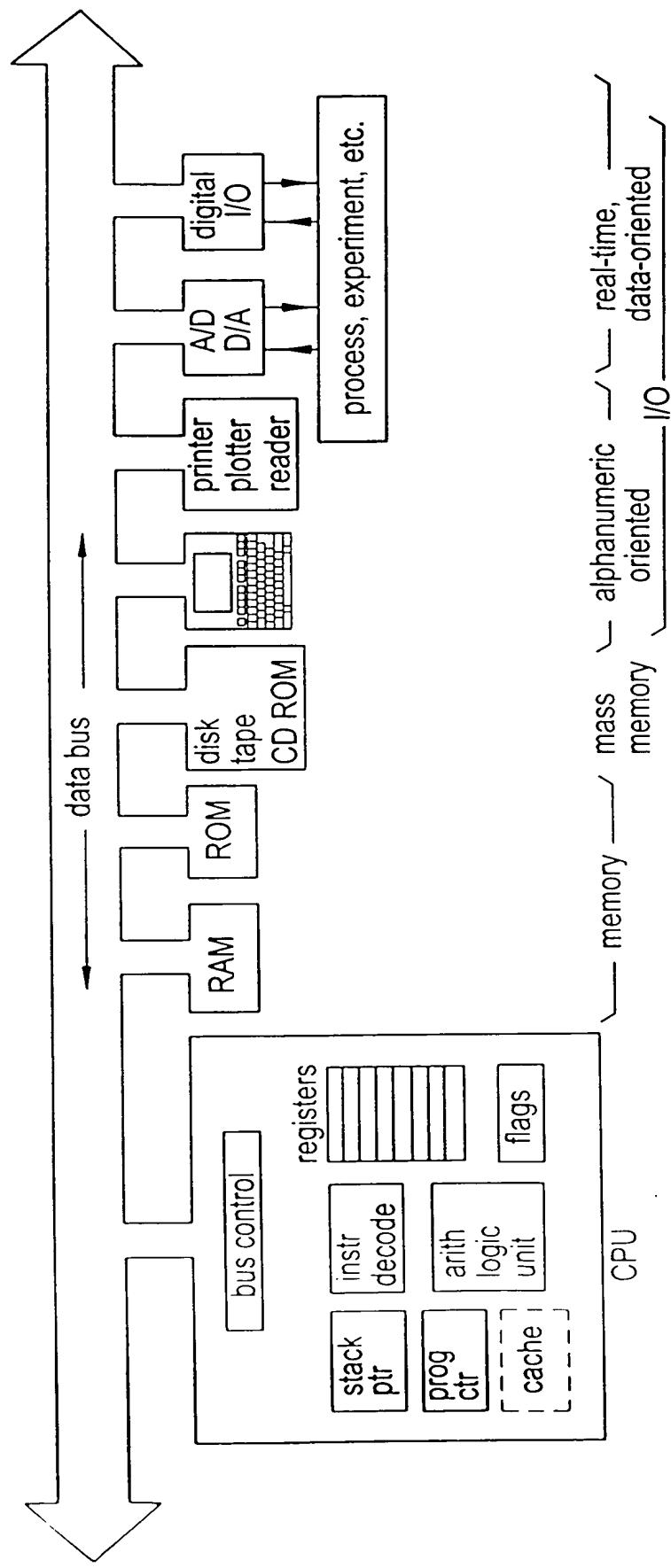


FIG. 55
PRIOR ART

| SUS | RAW bandwidth (Mbyte/s) | Data width | Address width | Drivers | Connector b | Comments |
|--------------|-------------------------|------------|---------------|---------|-------------|---|
| STD bus | | | | | | |
| PC/XT | 1.2 | 8 | 16 | - | TTL | CE controller-type applications |
| PC/AT | 5.3 | 8,16 | 20 | - | TTL | CE original IBM PC & compatibles |
| EISA | 3.3 | 8,16,32 | 20,24,32 | (c) | TTL | CE accepts PC/XT cards |
| MicroChannel | 20 | 8,16,(32) | 24,(32) | • - | TTL | CE enhanced PC/AT; auto-configure |
| Q-bus | 2 | 16 | 22 | • - | A 11 | IBM PS/2; auto-configure |
| Multiibus I | 10 | 8,16 | 20,24 | • - | A 4 | LSI-11, μVAX-1, II; daisy-chained IACK |
| CamAC | 3 | 24 | 9 | - | (d) | Intel; SUN-1 and others |
| VAX BI | 13.3 | 8,16,24,32 | 32 | • - | TTL | CE data acquisition & control bus |
| Multiibus II | 40 | 8,16,24,32 | 16,32 | • - | TTL | ZIF VAX 780, 8600 series; parity |
| NuBus | 40 | 32 | 32 | • - | M | DIN parity; 40MB/s for blk xfer, 20M otherwise |
| VME | 40 | 8,16,32 | 16,24,32 | - | S 4 | DIN Macintosh II adds 1 dedicated INT per slot; "m" |
| Futurebus | 120 | 32 | 32 | • - | A 7 | DIN daisy-chained IACK; SUN-3 |
| Fastbus | 160 | 32 | 32 | • - | ECL | H DIN communication across many crates |

- (a) E-edge-sensitive; L-LAM ("look at me"); M-"int" via bus mastership.
- P-programmable edge-or level-sensitive interrupts.
- (b) CE-card-edge; DIN-2-part "Eurocard" 96-pin connector.
- (c) almost. (d) National Semi special.
- H-high density 2-part conn.

FIG. 56

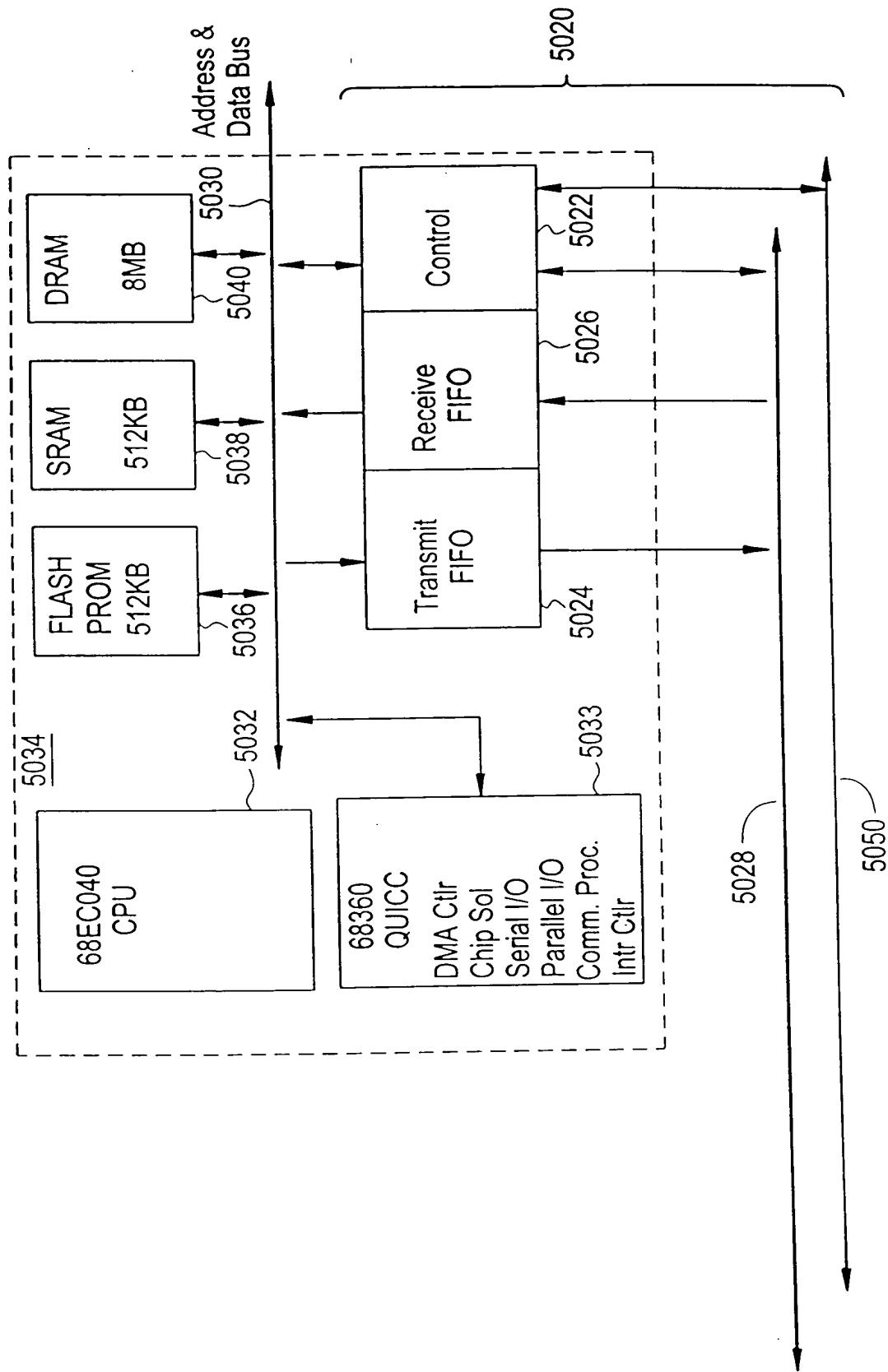


FIG. 57A

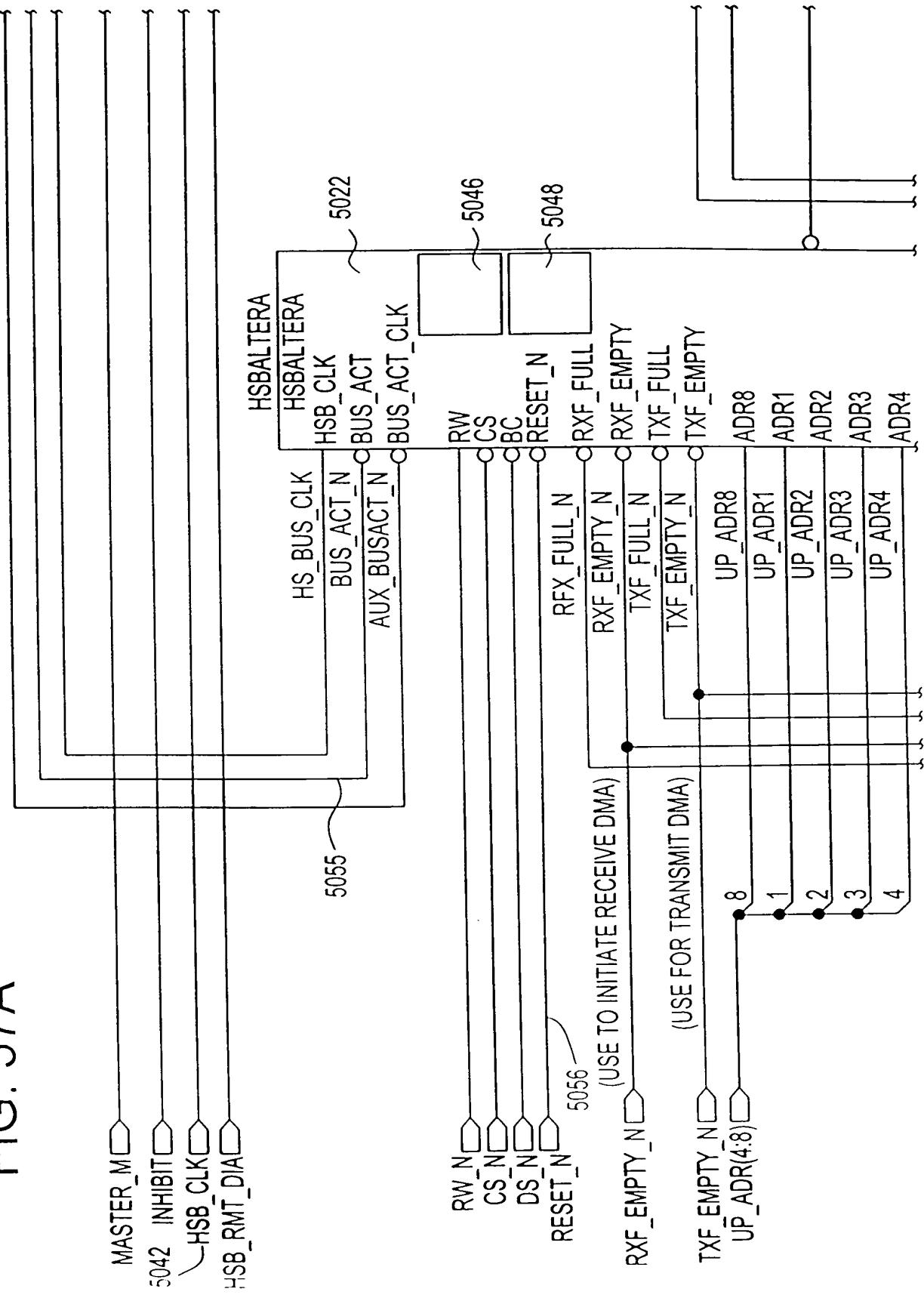


FIG.57B

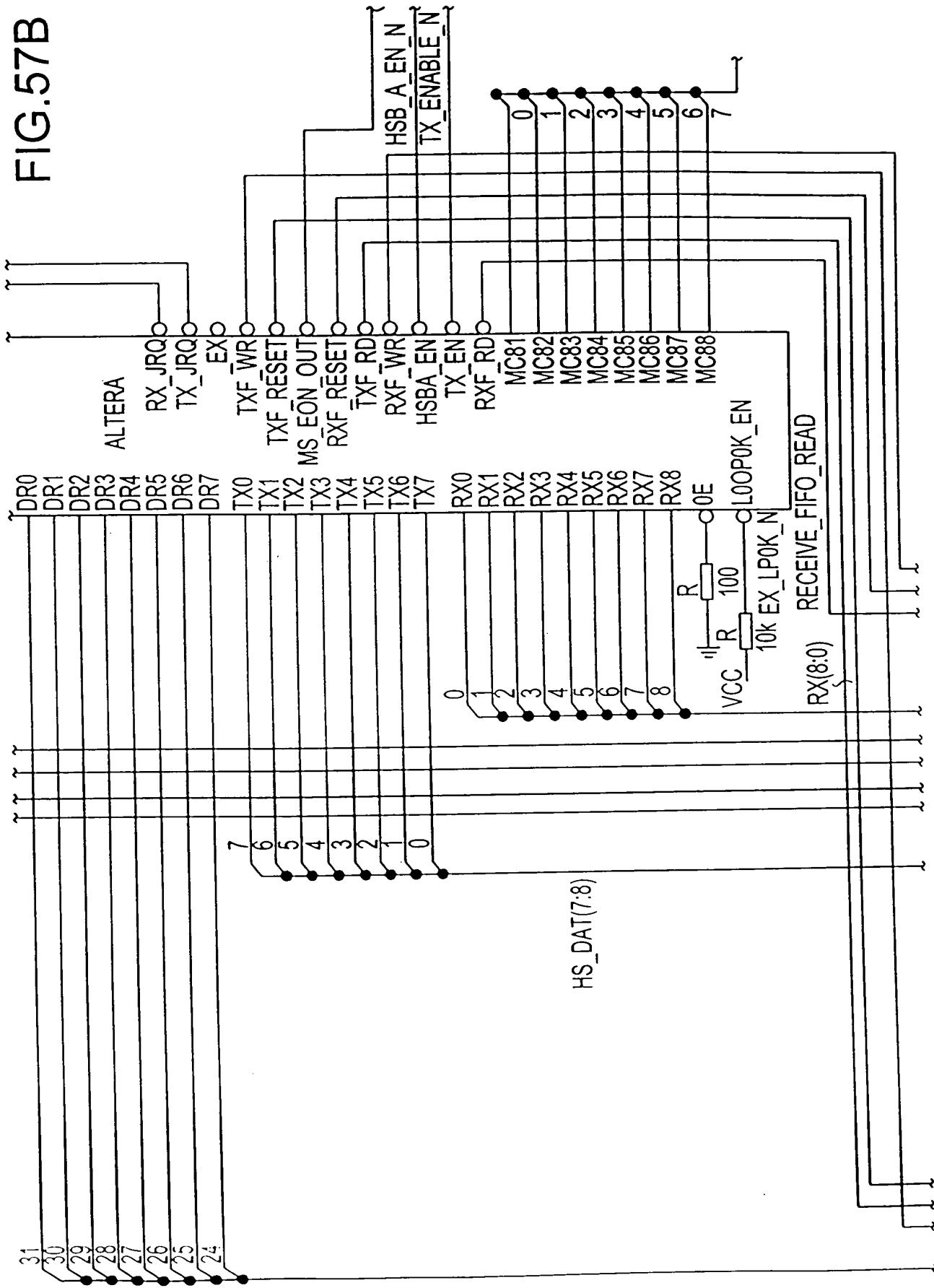


FIG. 57C

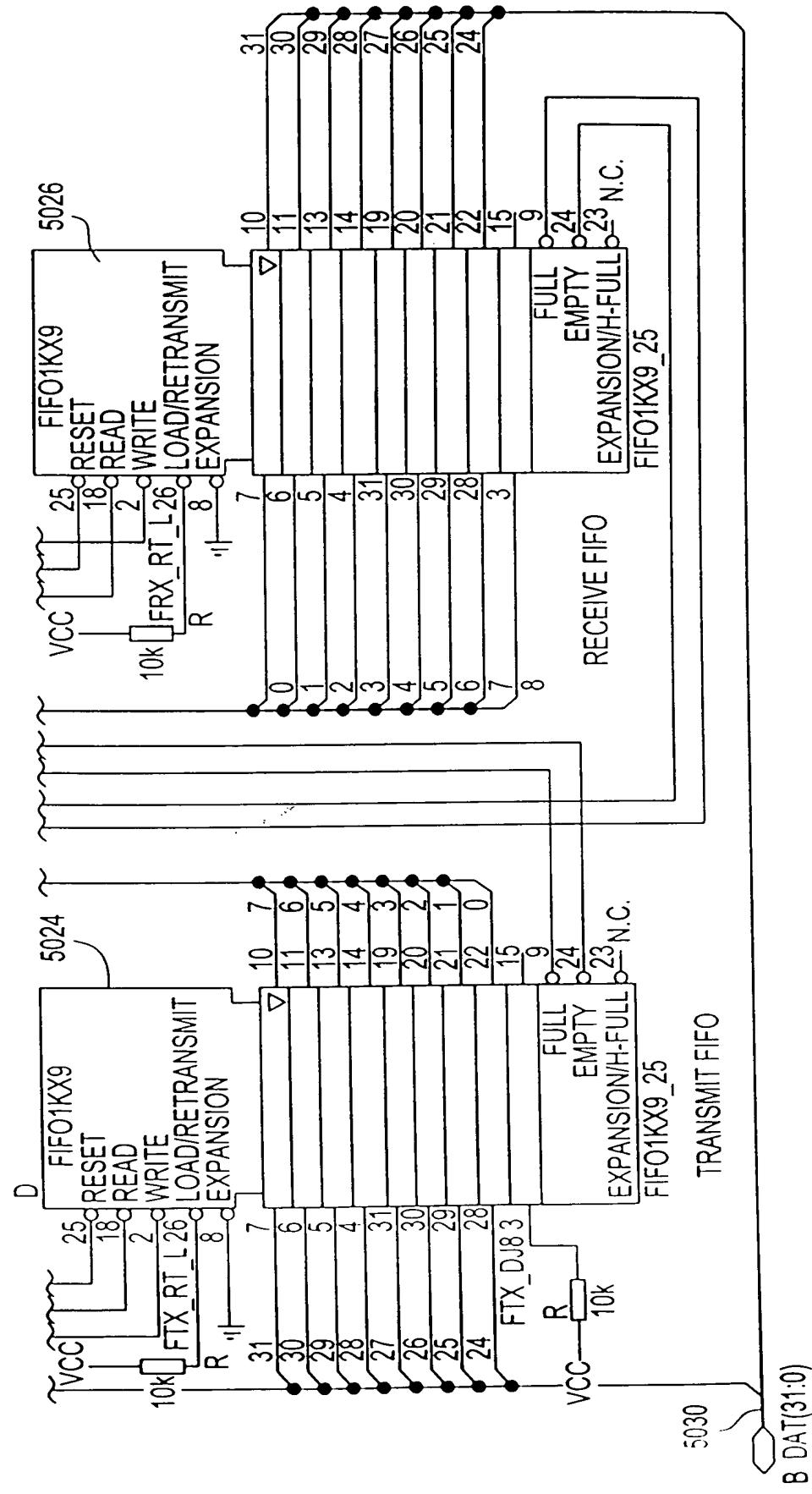


FIG. 57D

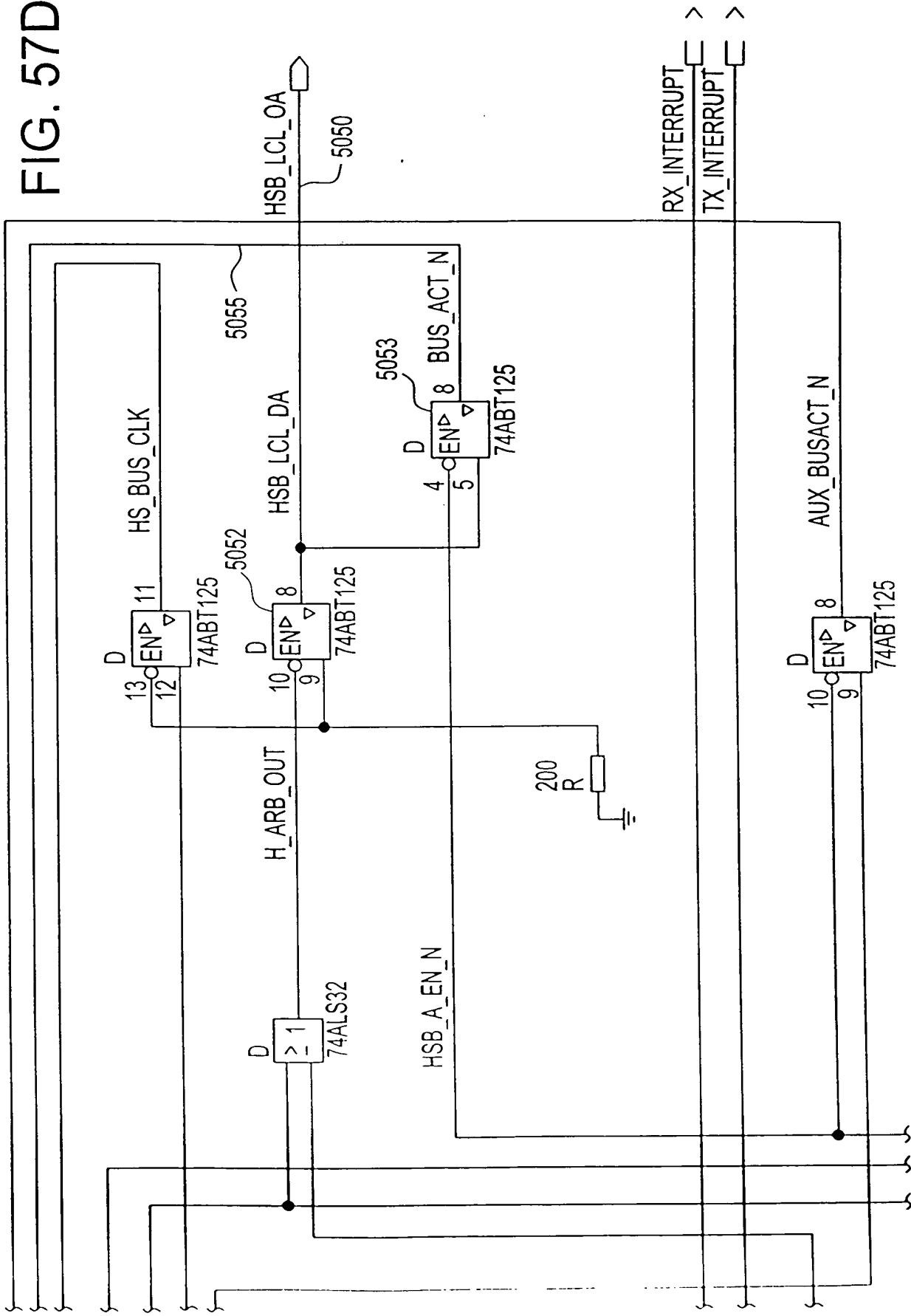


FIG. 57E

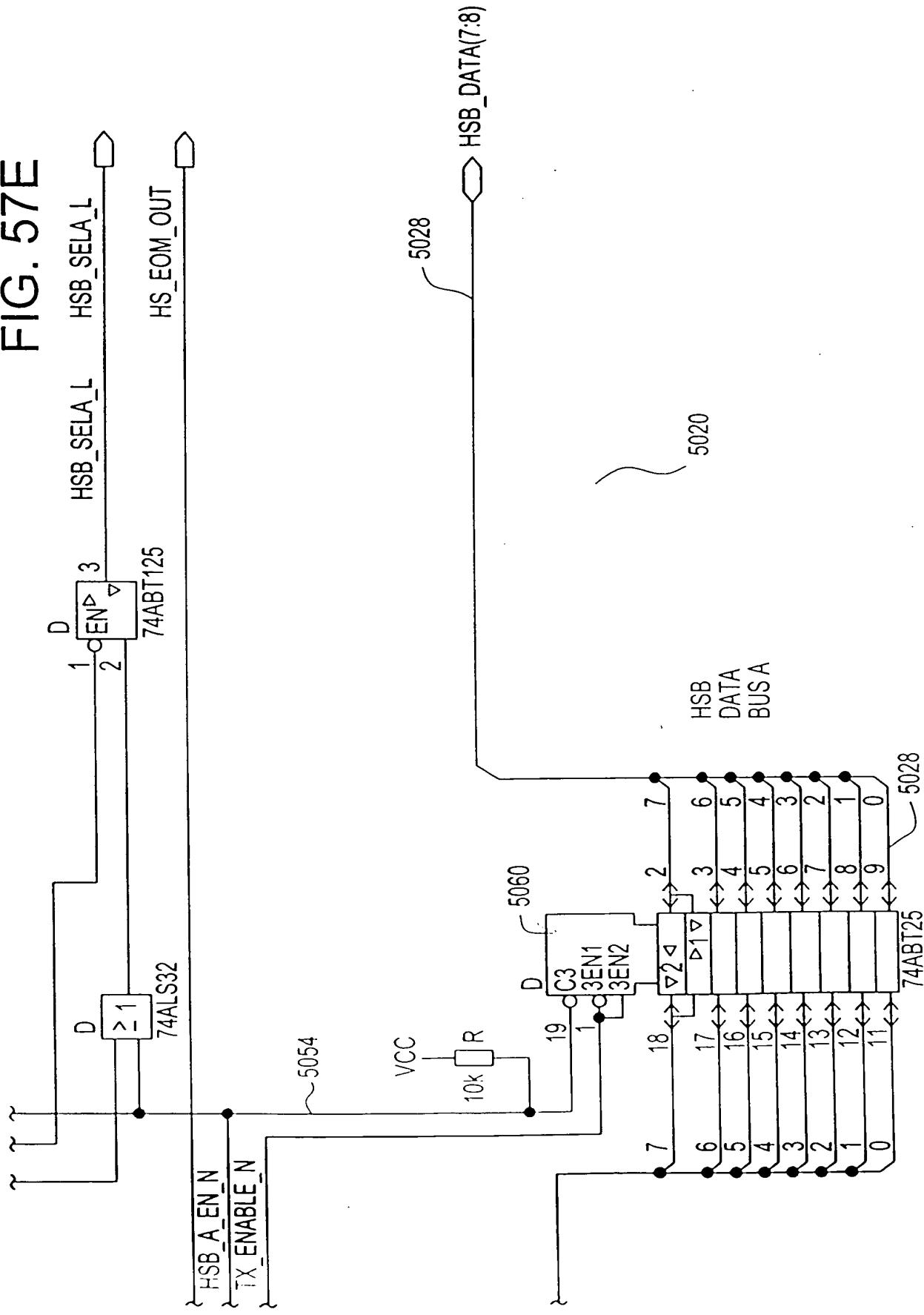


FIG. 58

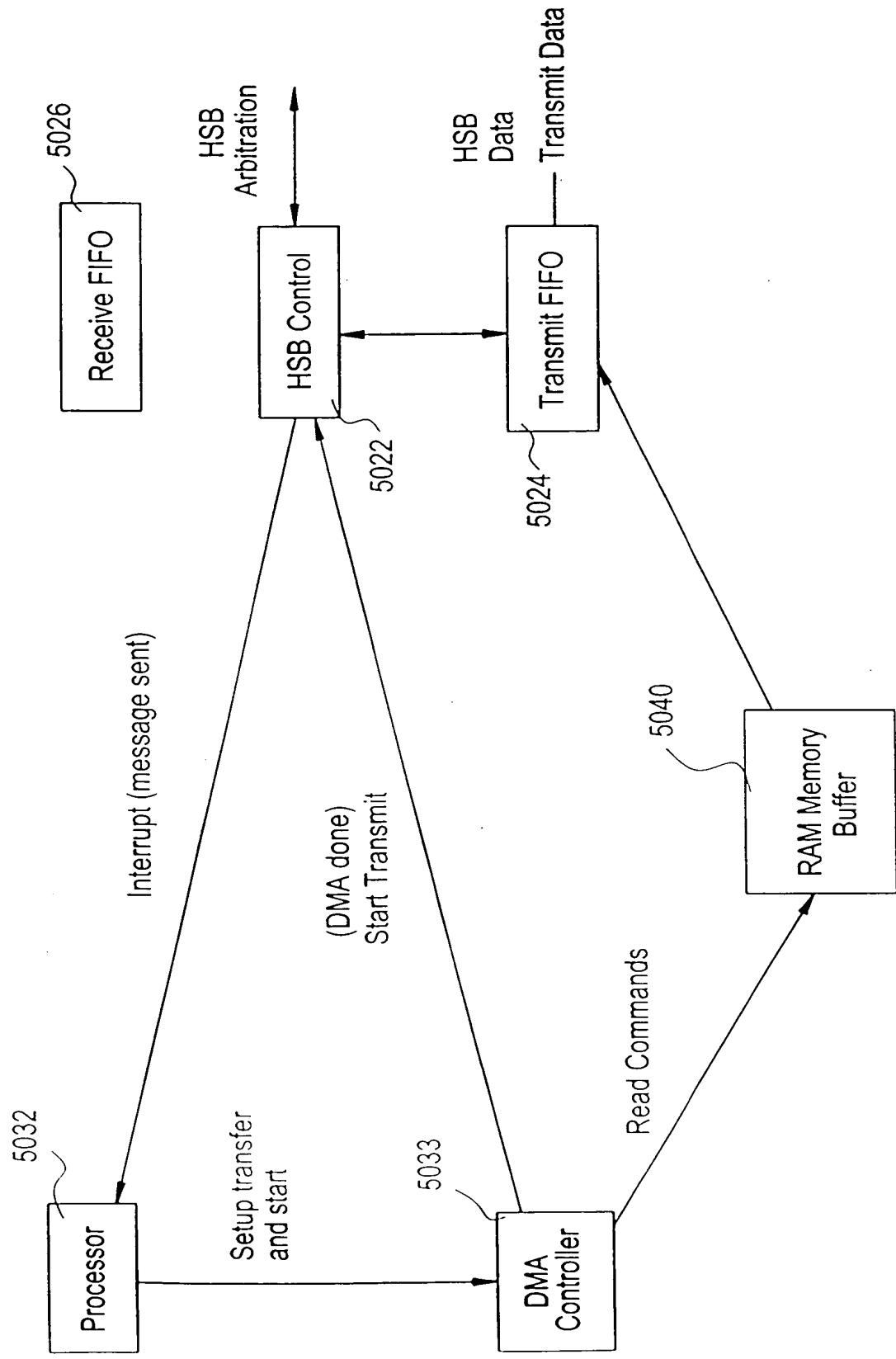


FIG. 59

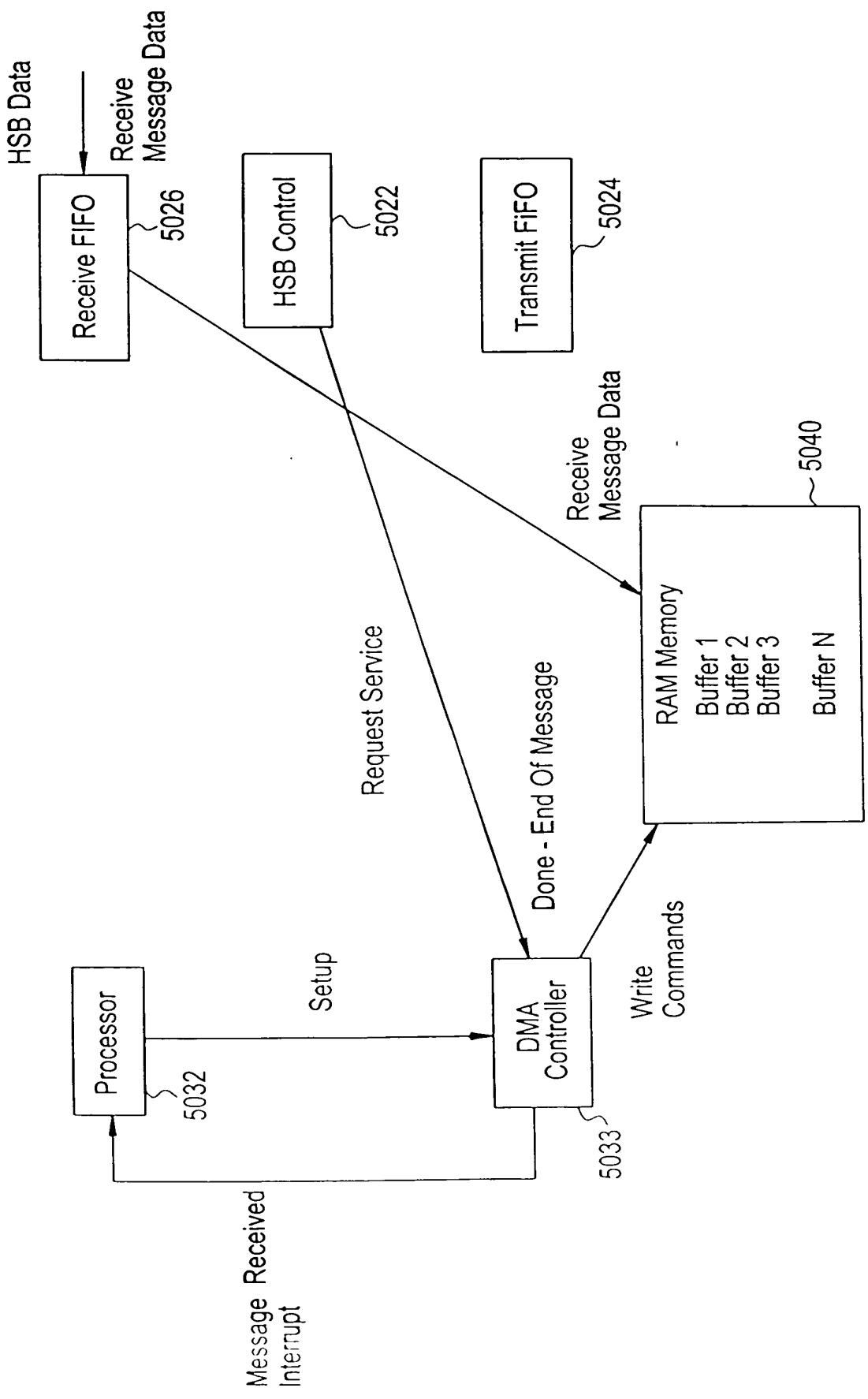


FIG. 60

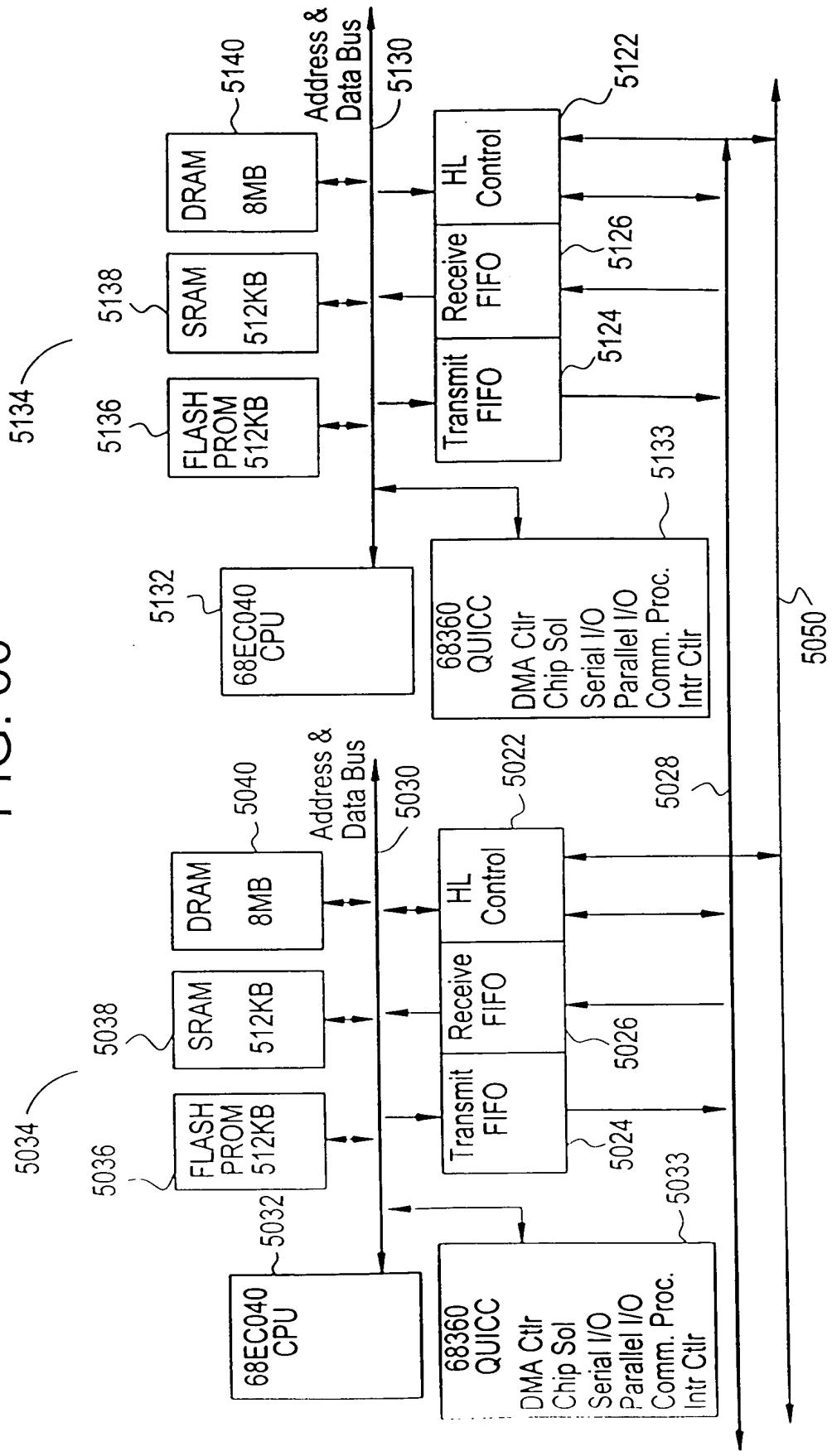


FIG. 61

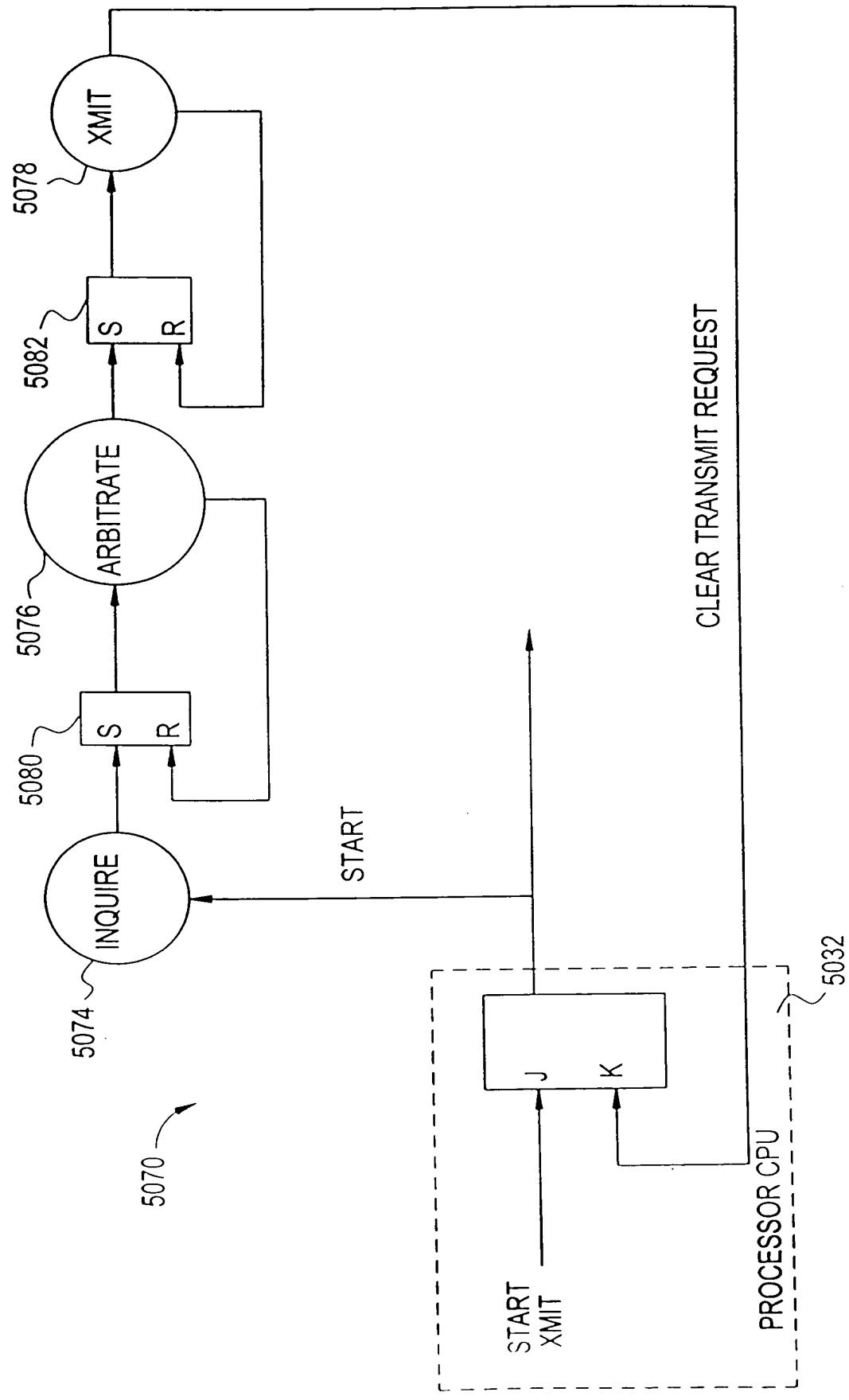


FIG. 62

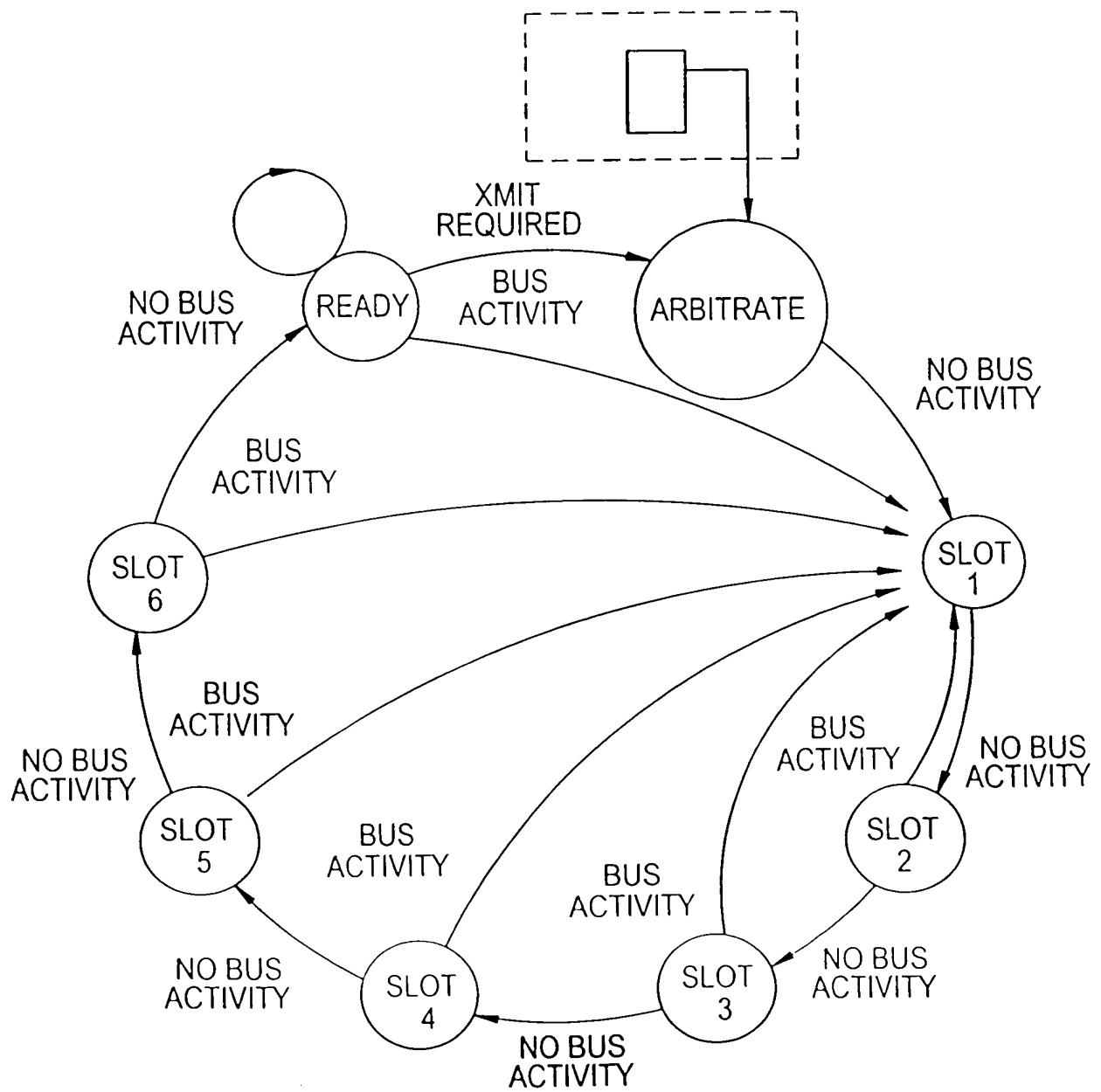


FIG. 63

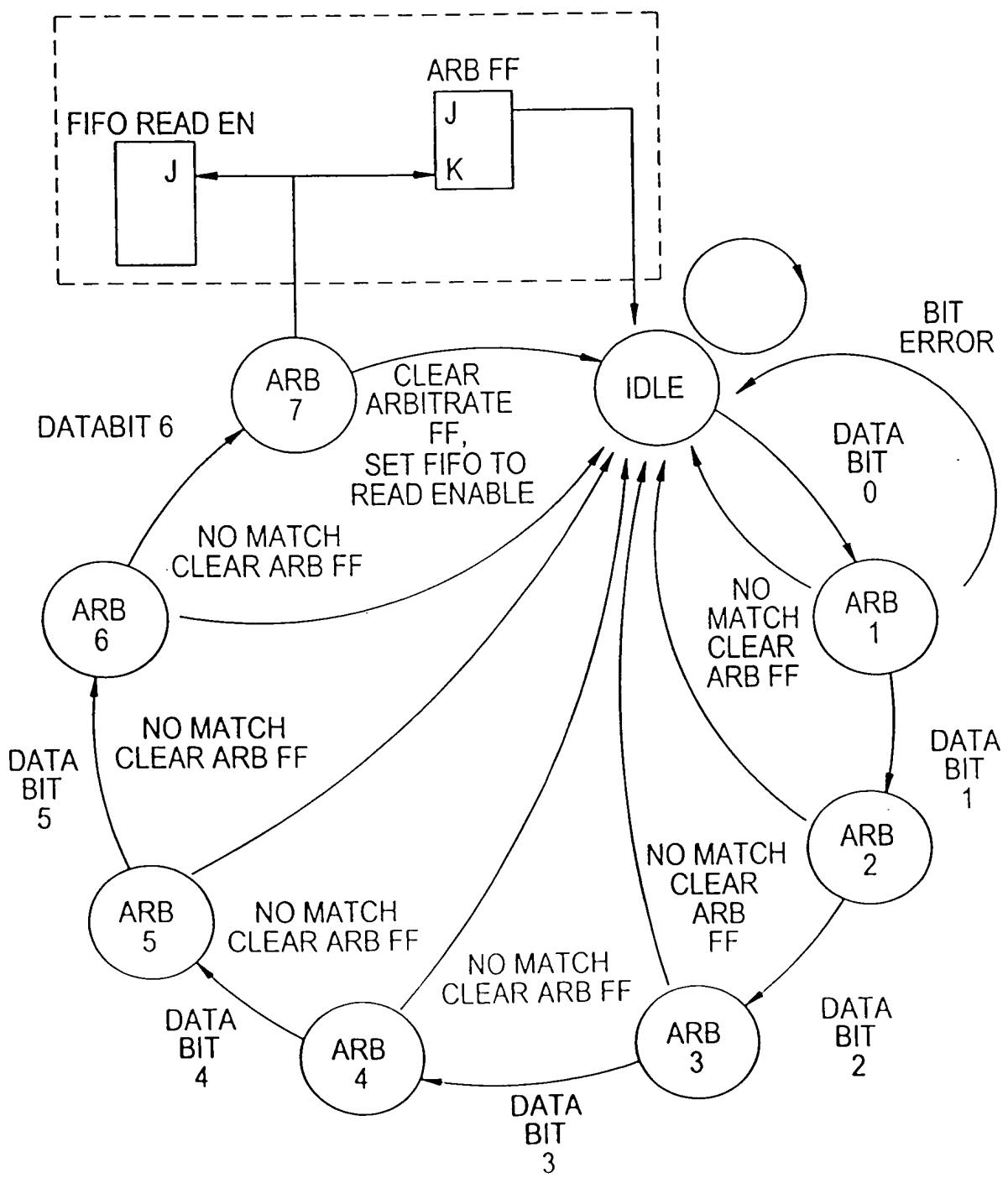


FIG. 64

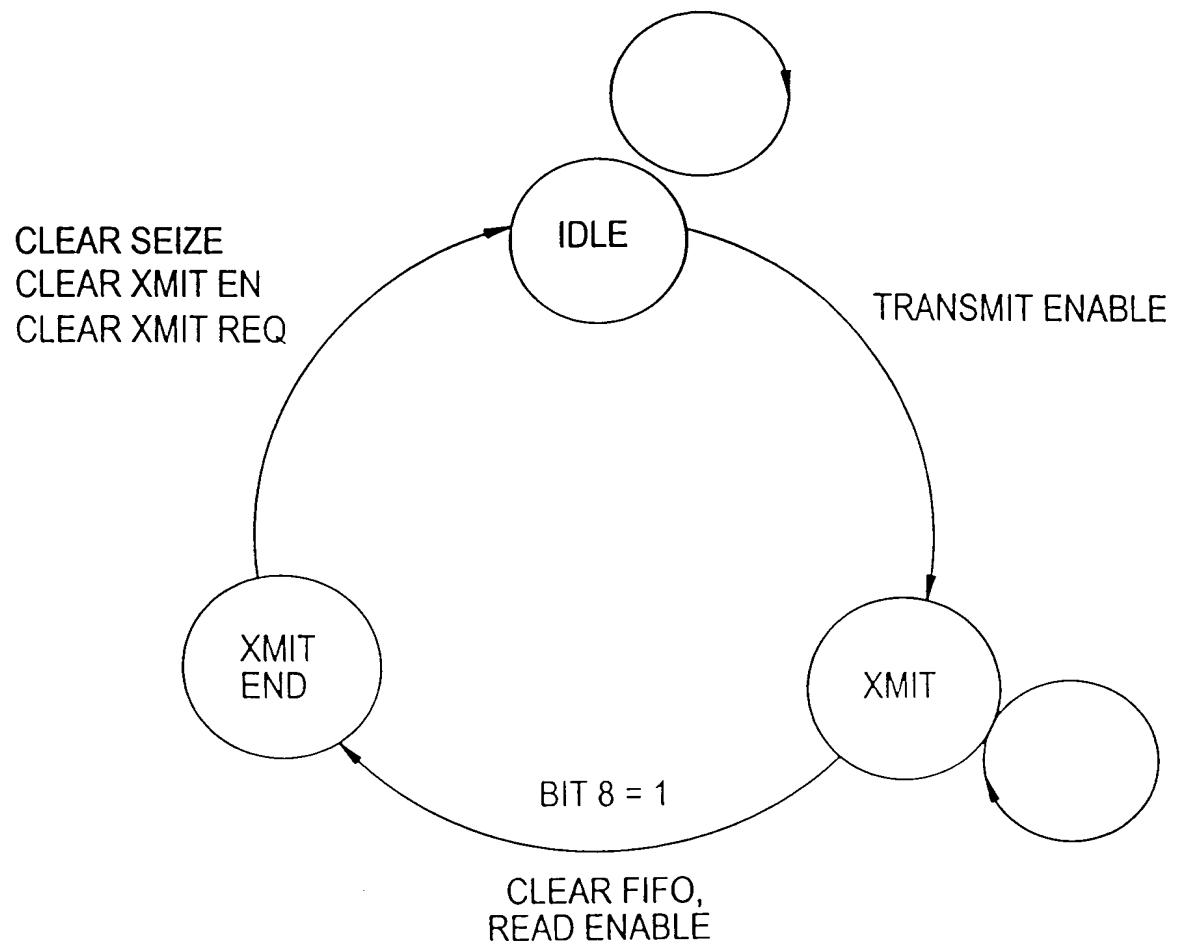


FIG. 65

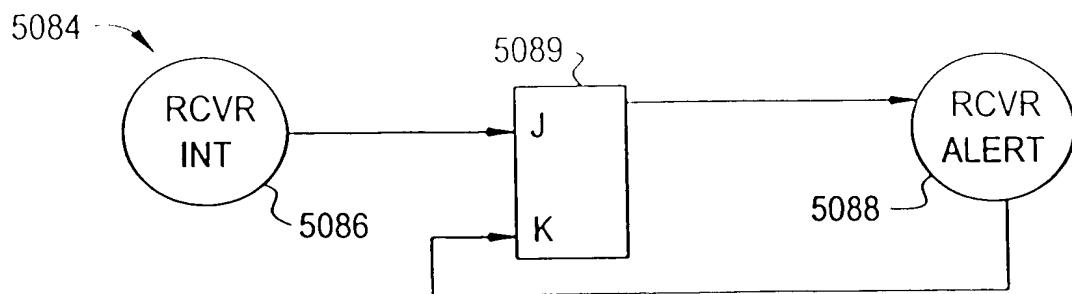


FIG. 66

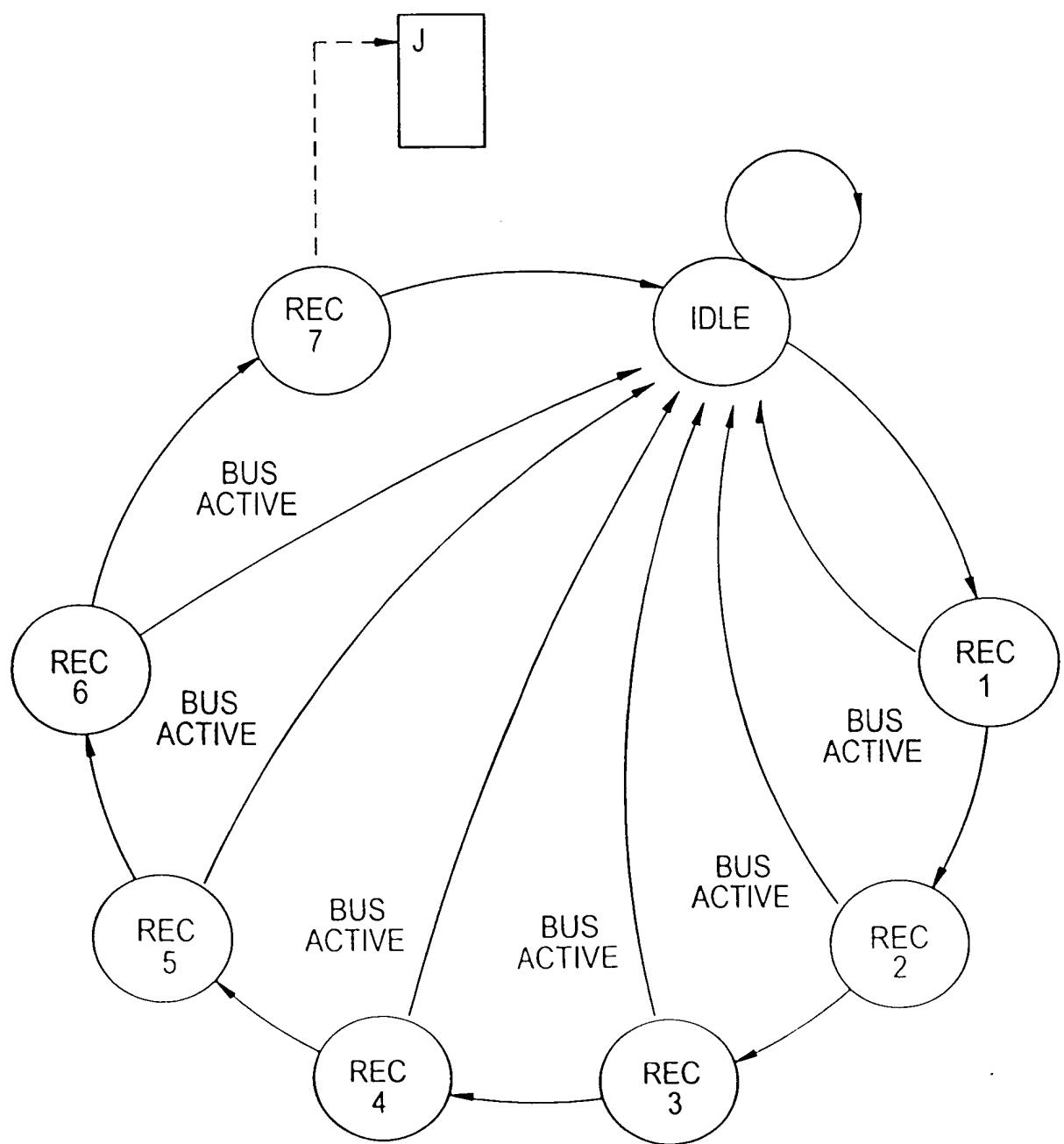


FIG. 67

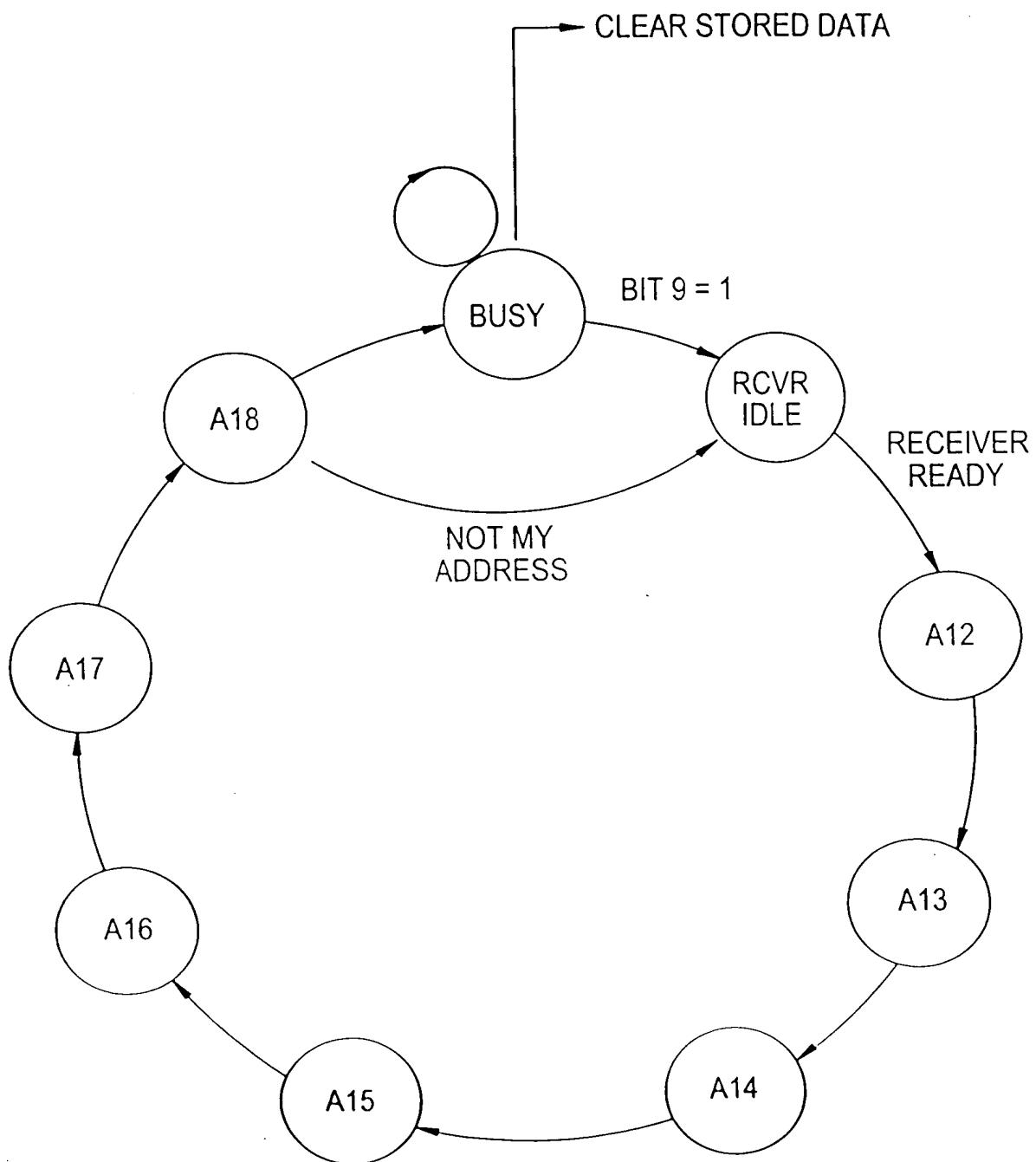


FIG. 68

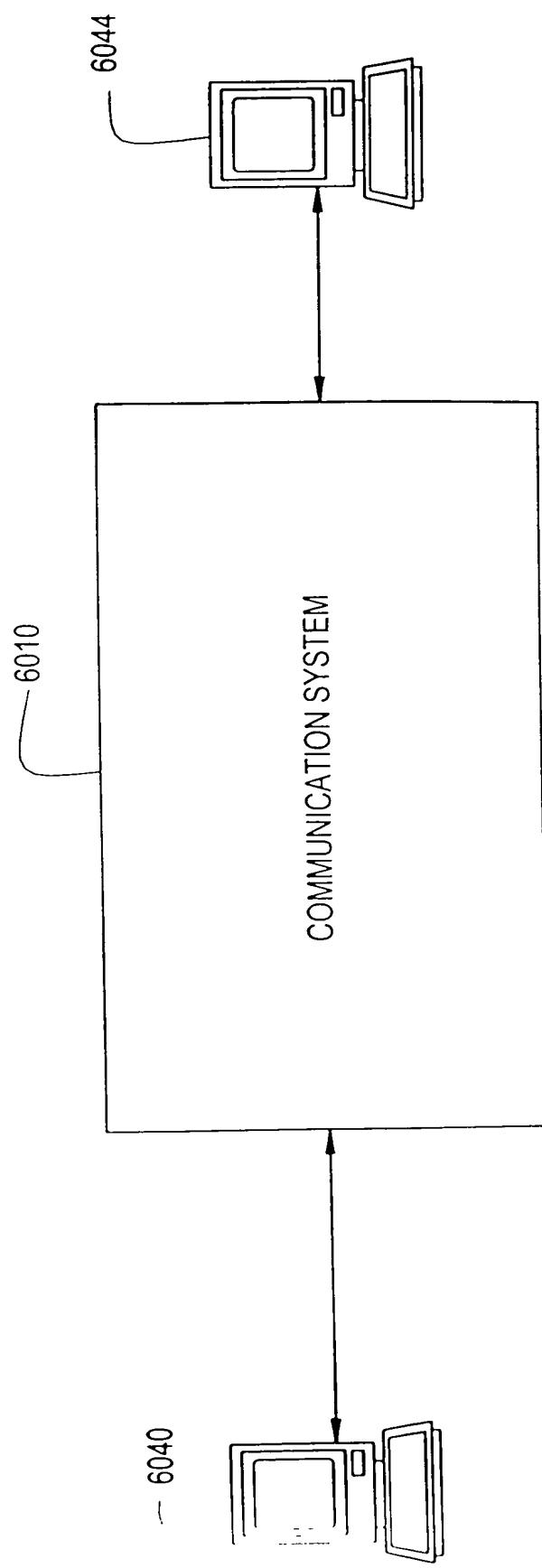


FIG. 69
PRIOR ART

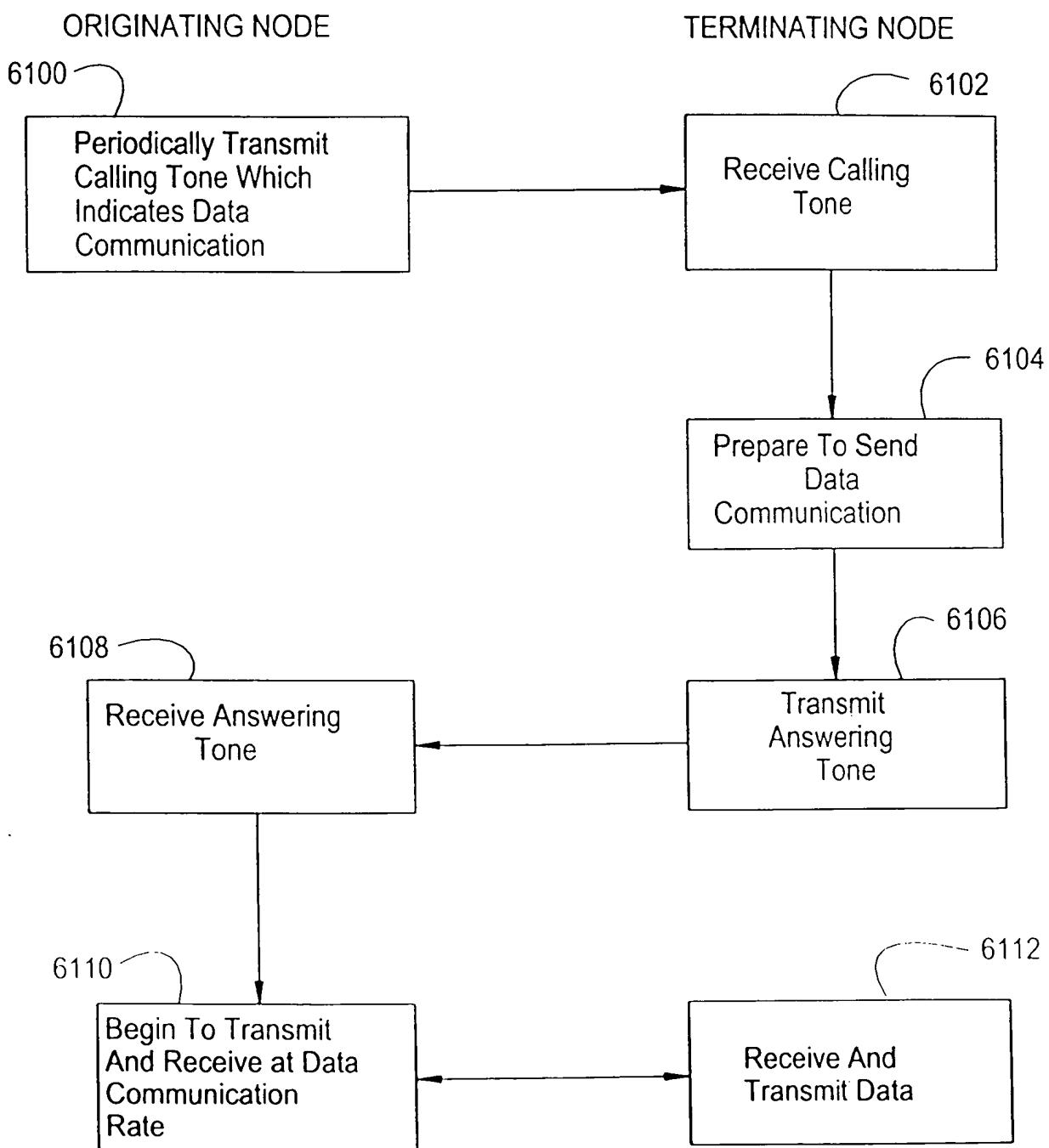


FIG. 70

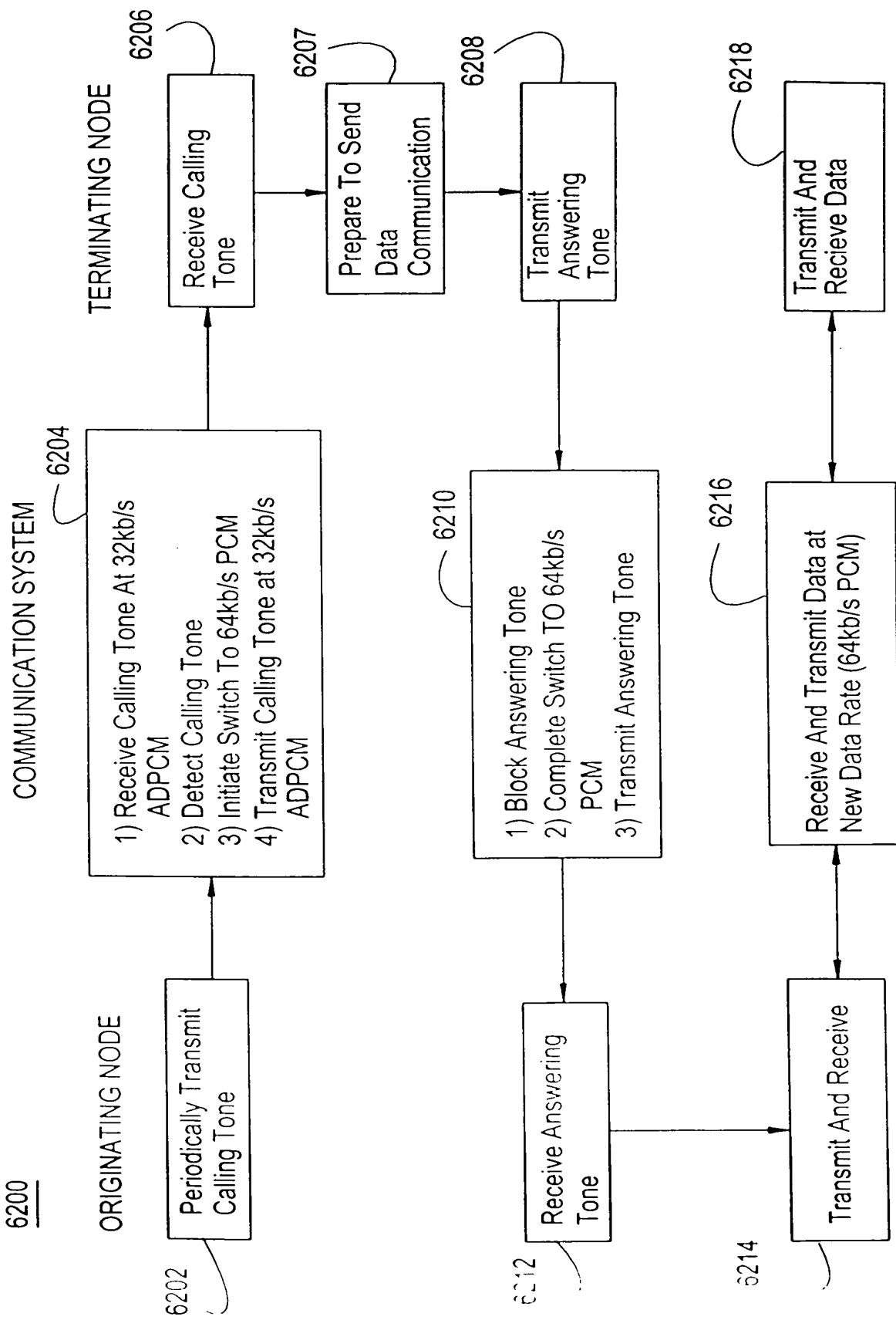


FIG. 71

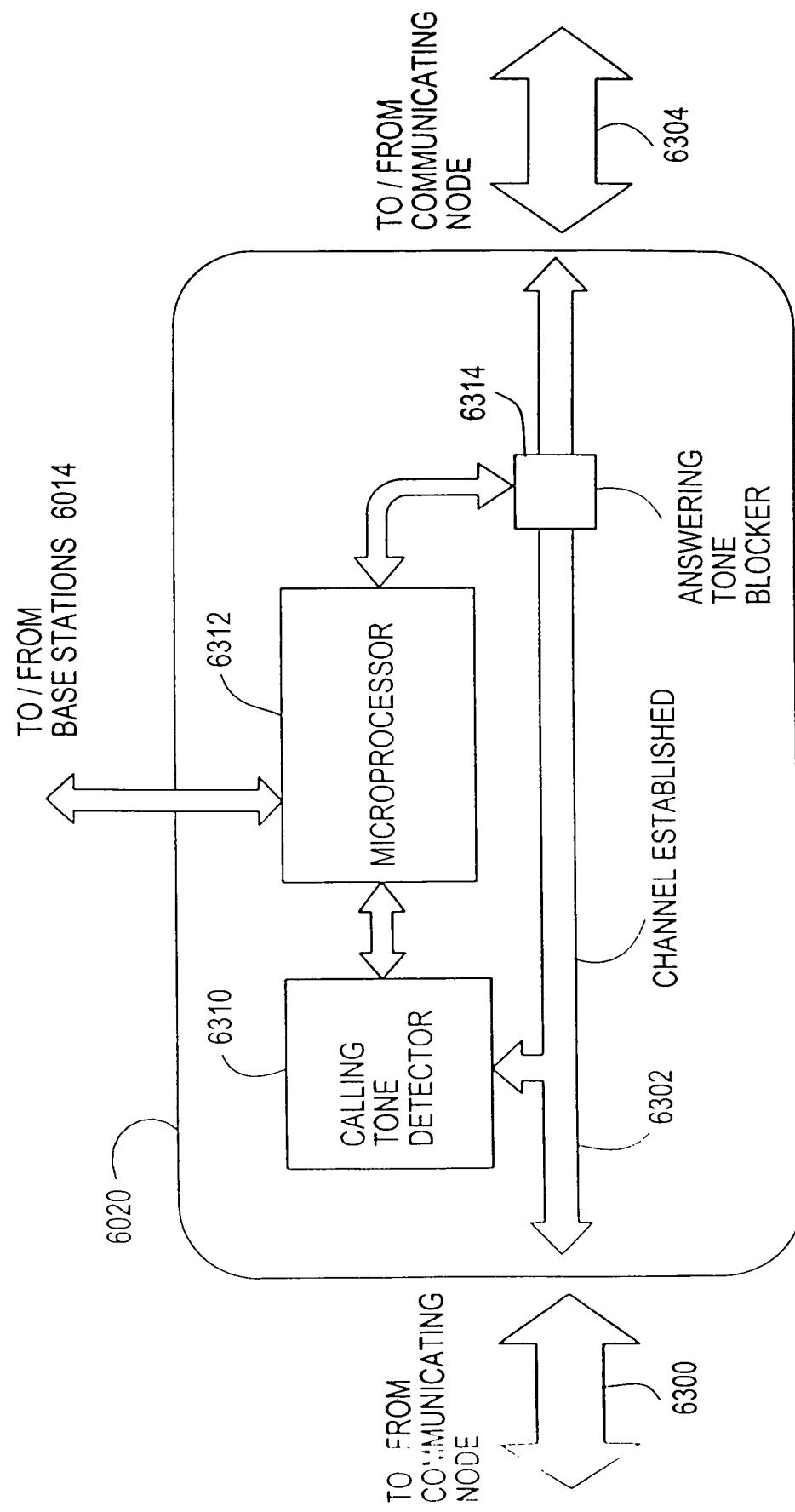


FIG. 72
PRIOR ART

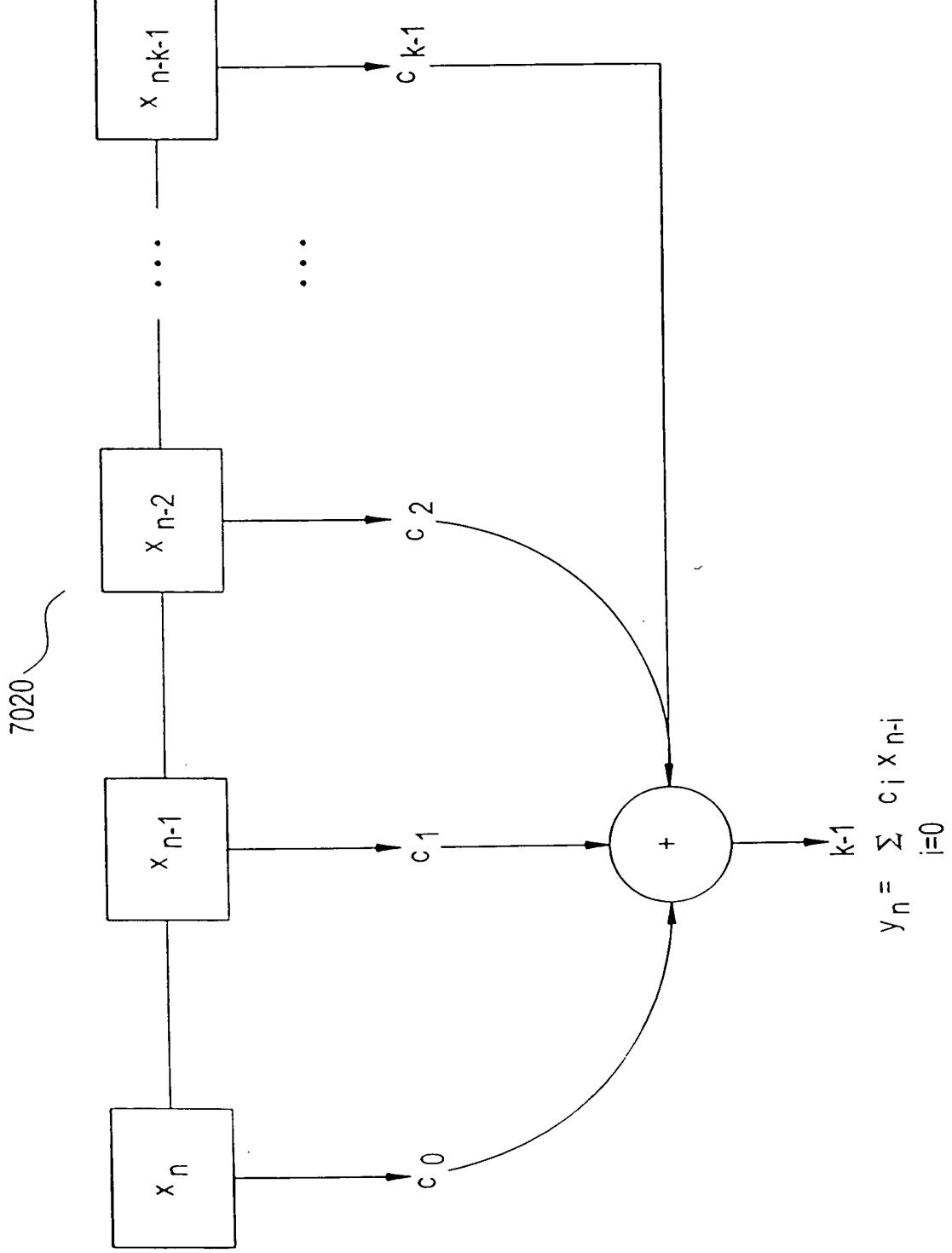


FIG. 73
PRIOR ART

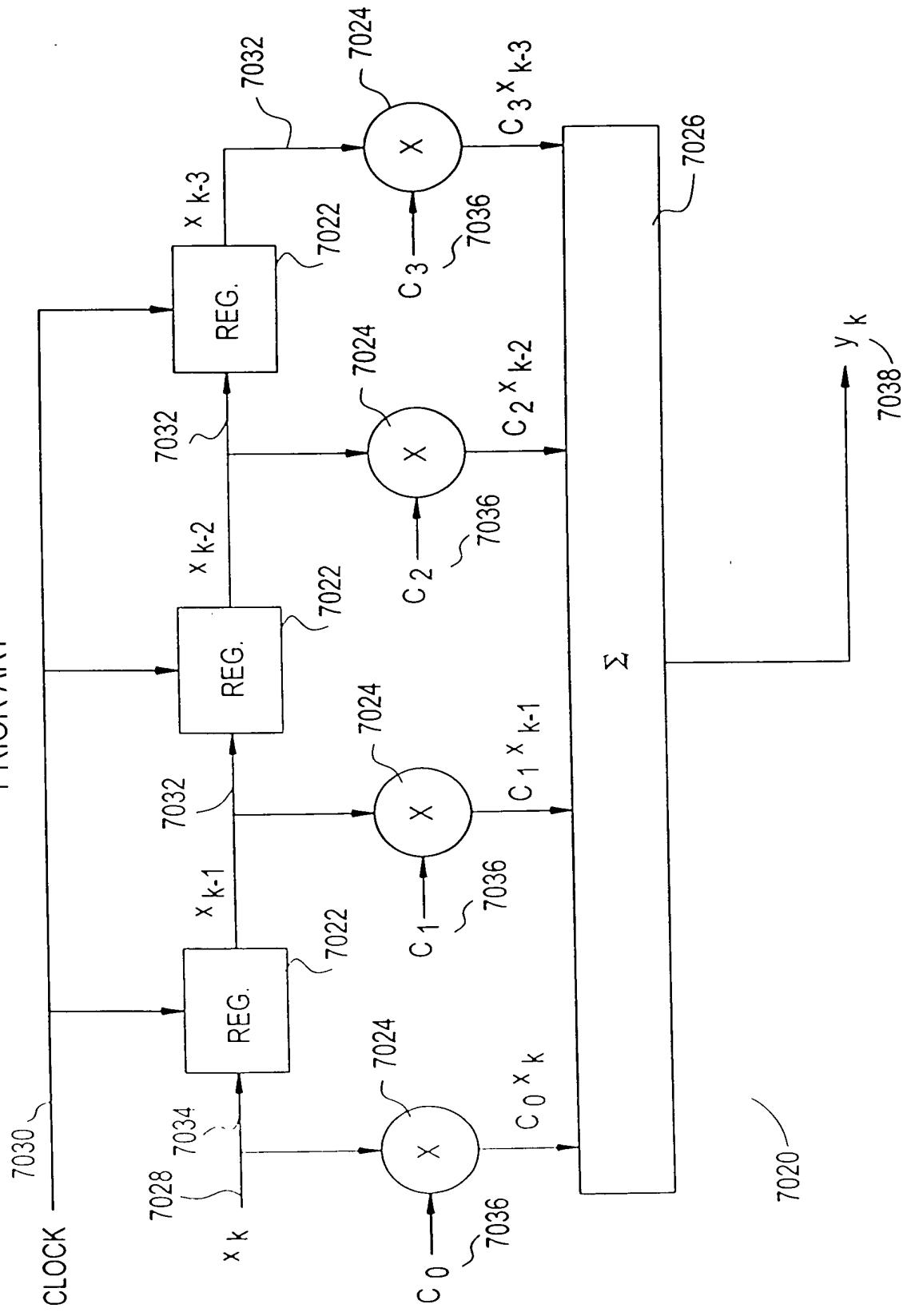


FIG. 74
PRIOR ART

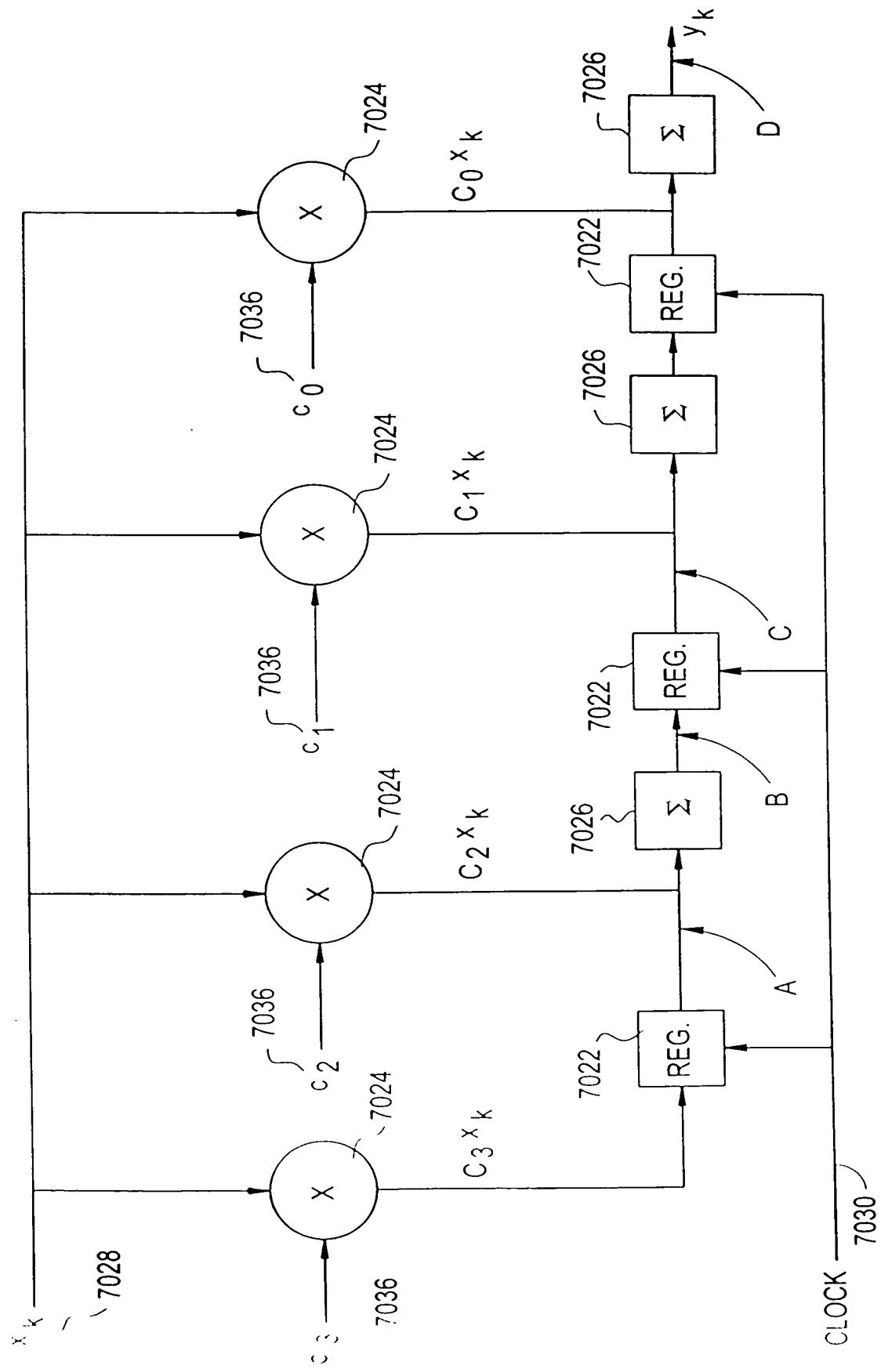
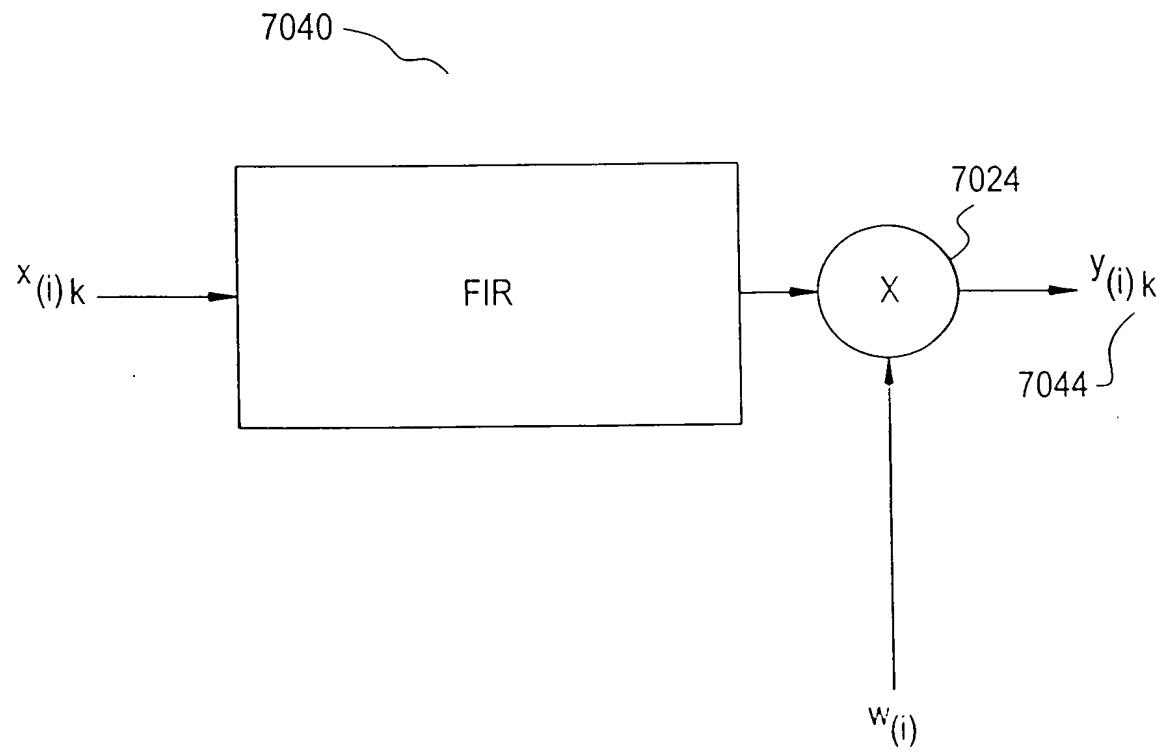


FIG. 75A



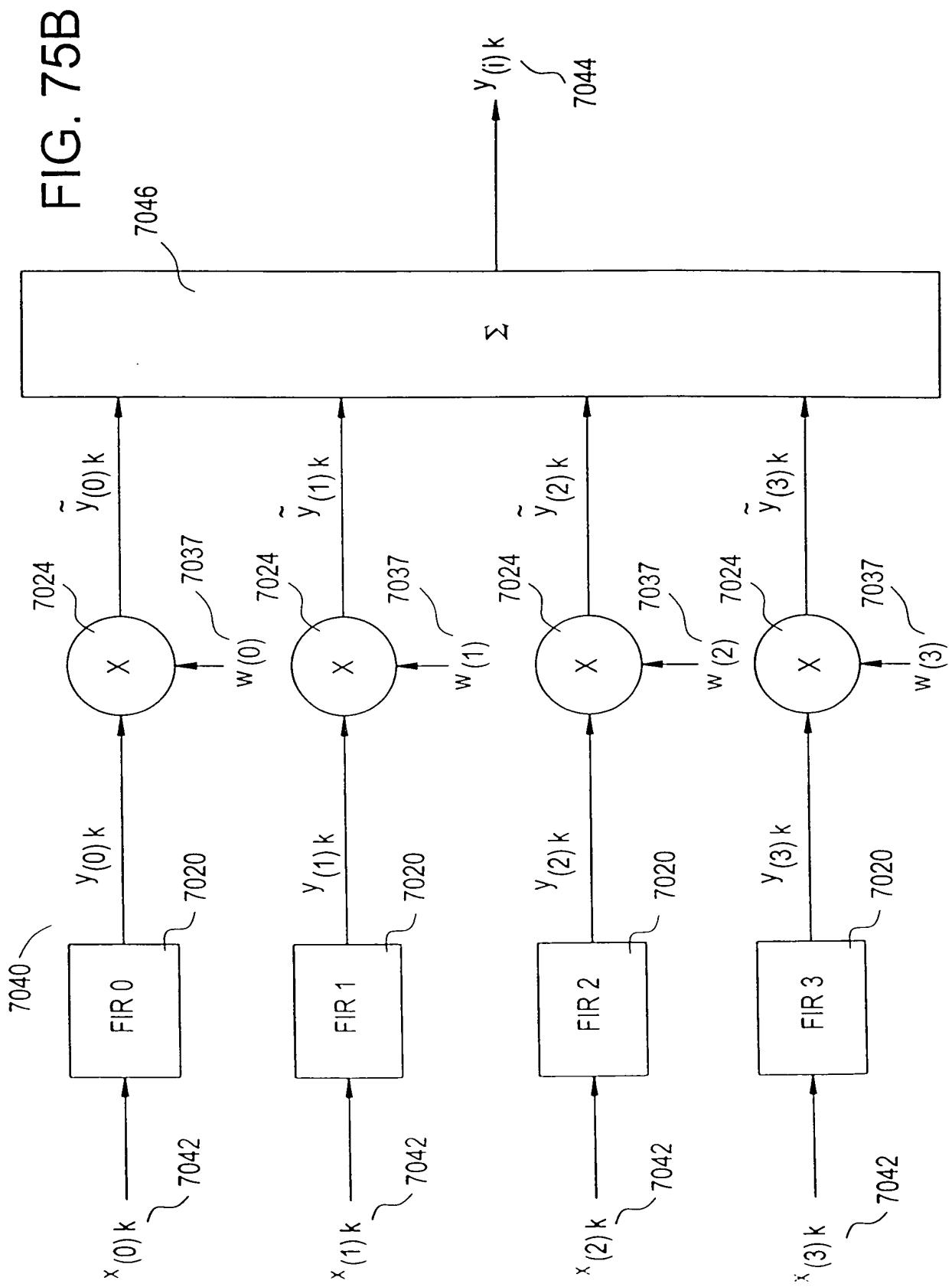


FIG. 76

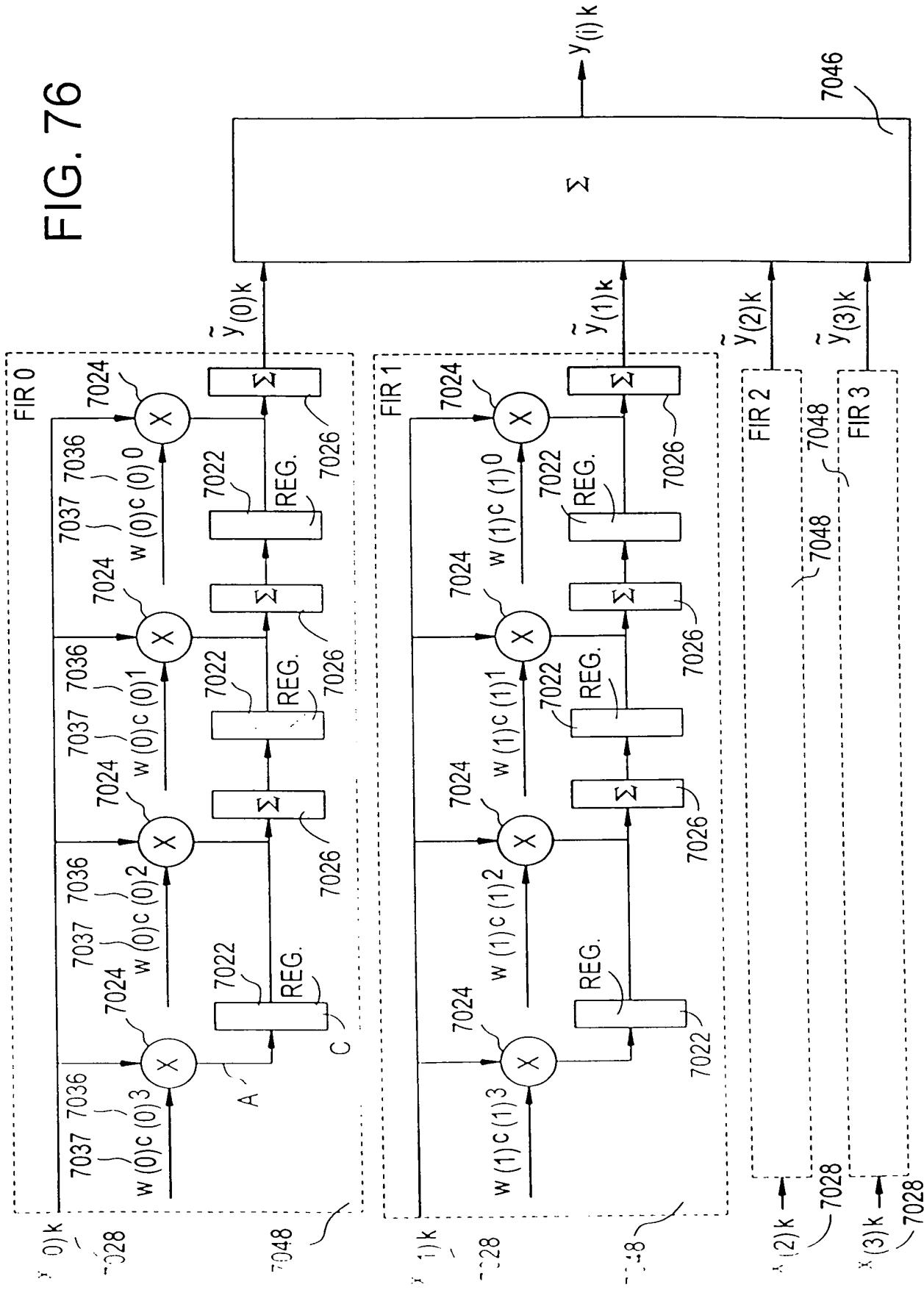


FIG. 77

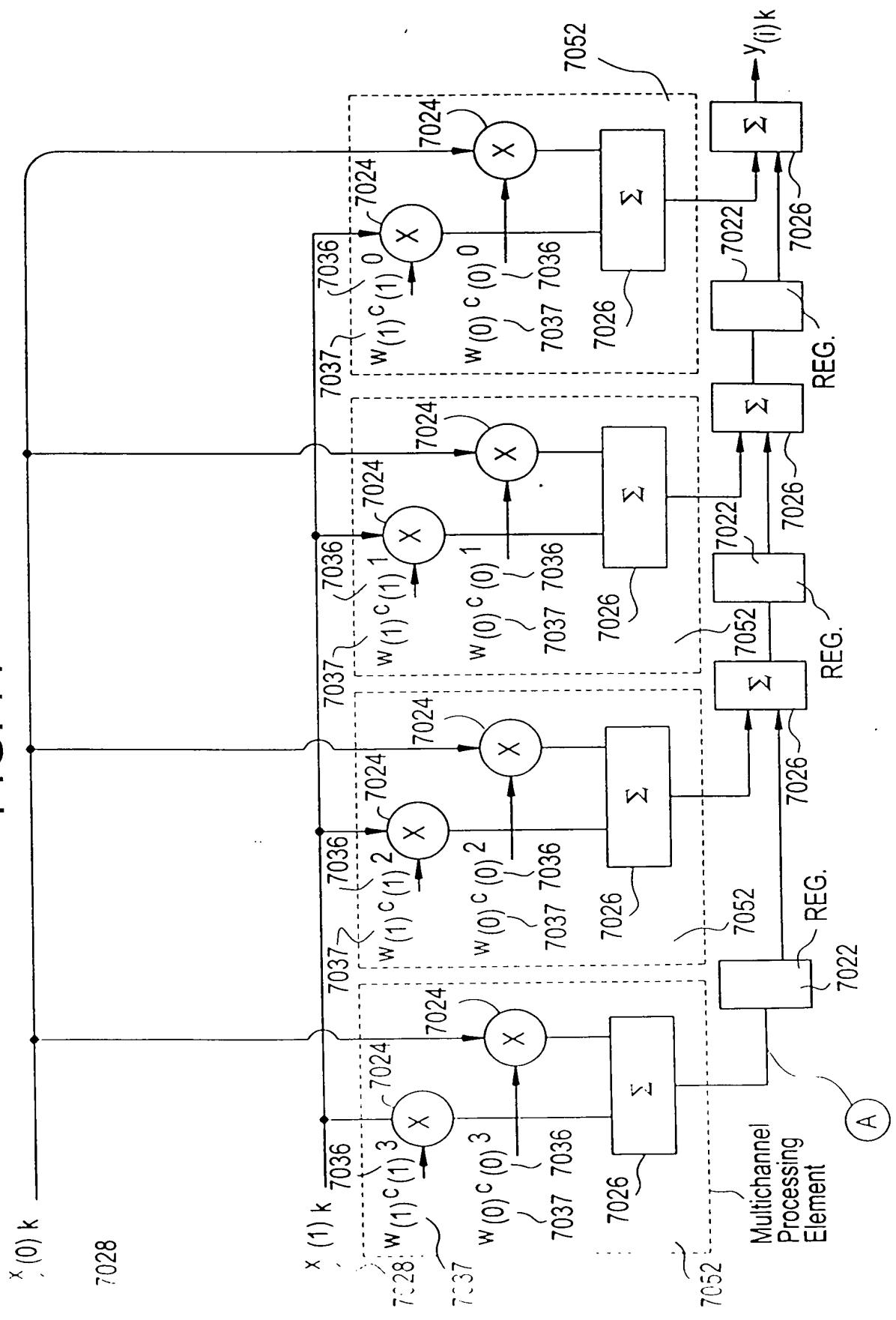


FIG. 78

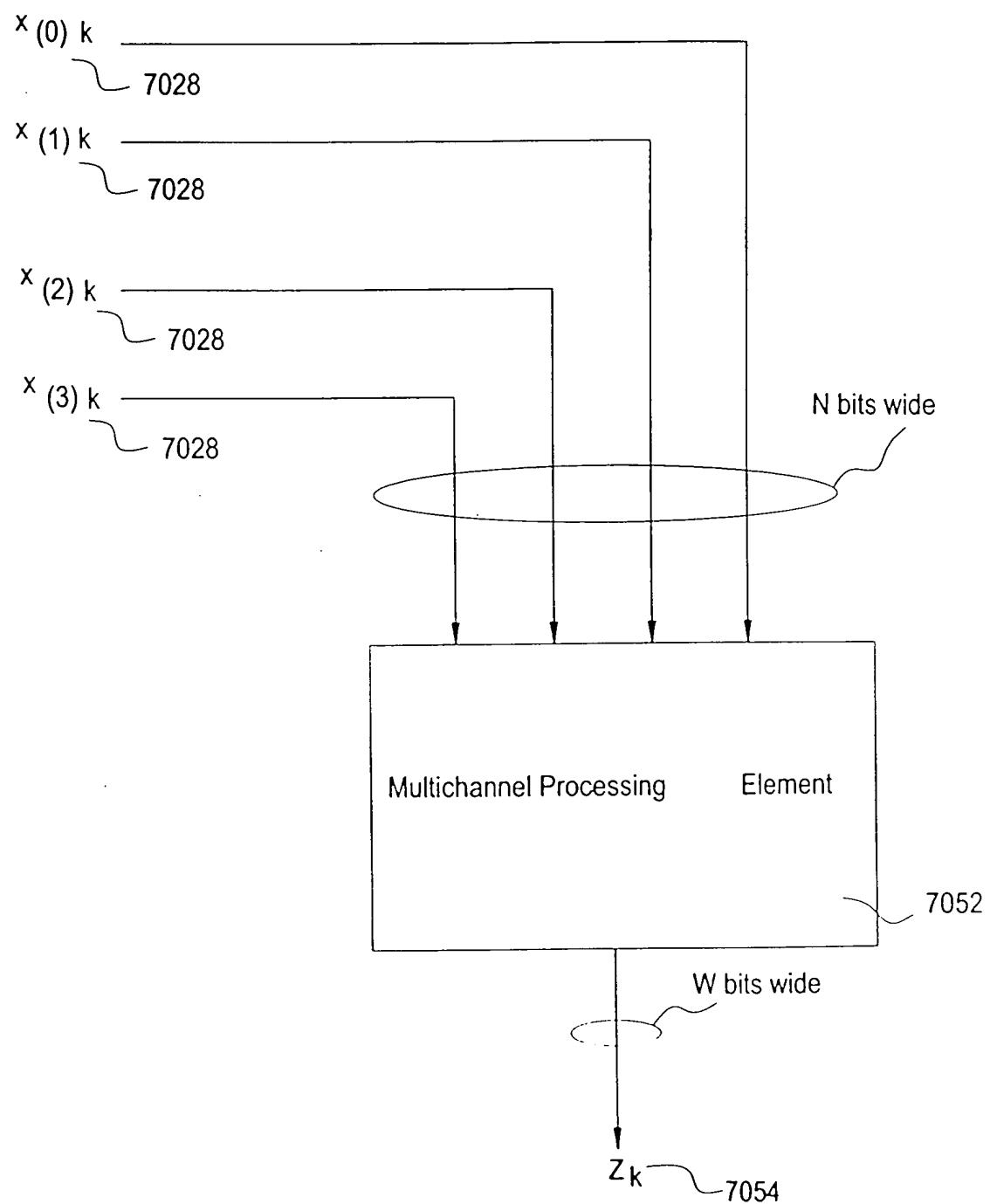


FIG. 79A

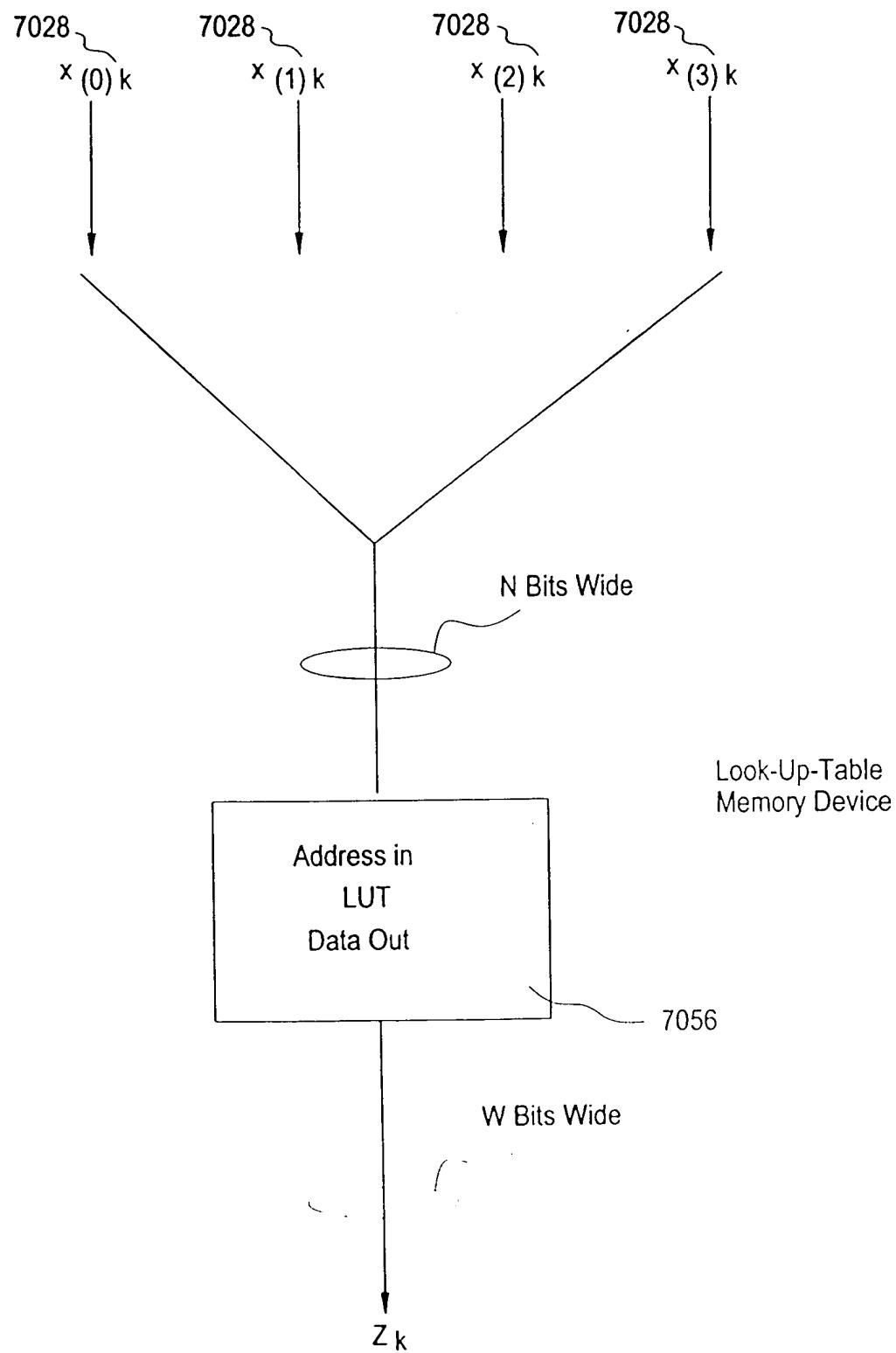


FIG. 79B

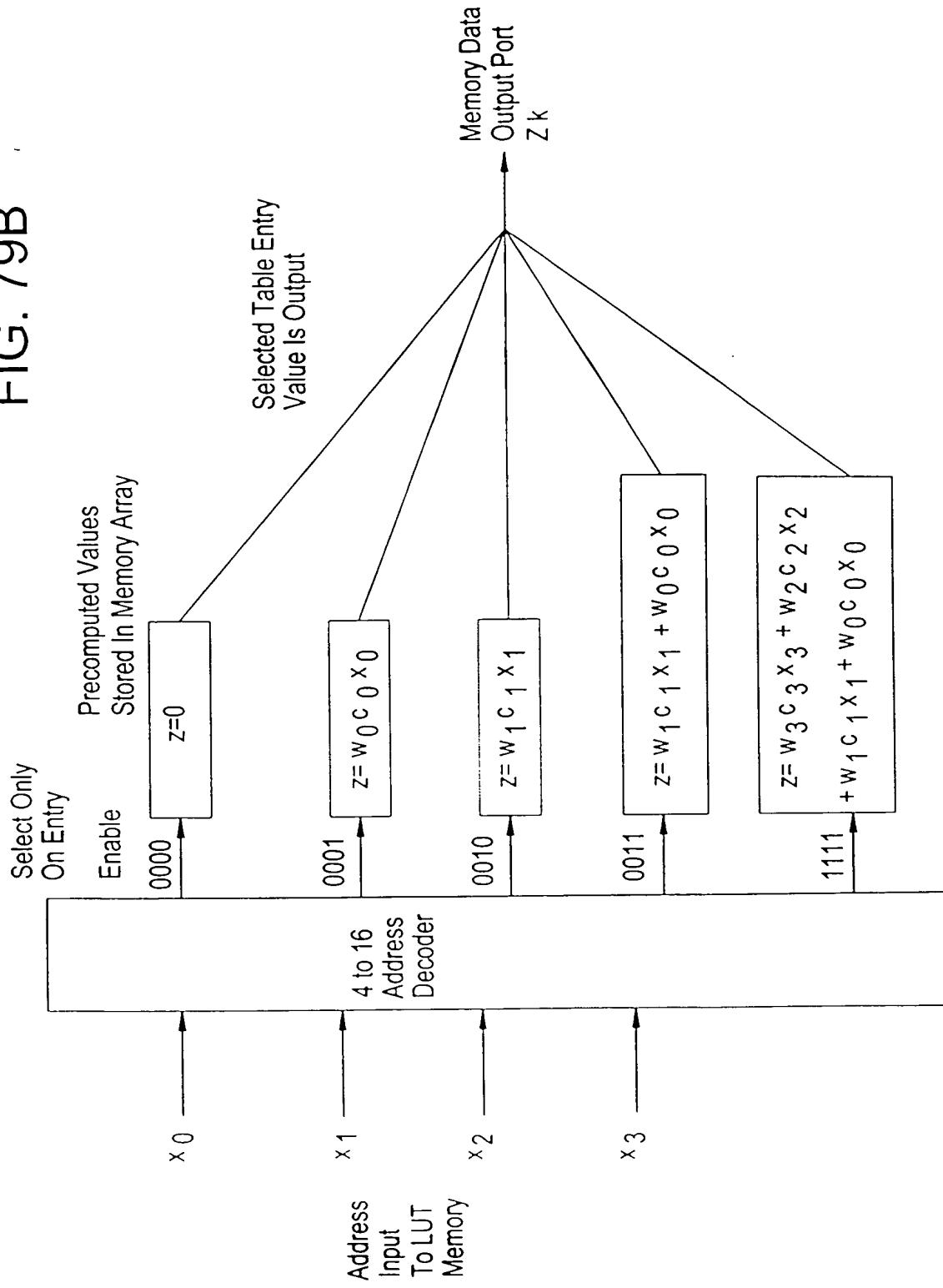


FIG. 80

